# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Harrisburg



1979

ANNUAL REPORT ON MINING, OIL AND GAS, AND LAND RECLAMATION AND CONSERVATION ACTIVITIES







# COMMONWEALTH OF PENNSYLVANIA

## DEPARTMENT OF ENVIRONMENTAL RESOURCES

Harrisburg



1979

ANNUAL REPORT ON MINING ACTIVITIES

1

This book is dedicated to Catherine Miles who has compiled these Annual Reports on Mining Activities, (Formerly the Annual Reports on Mining, Oil and Gas, and Land Reclamation and Conservation Activities), for the past 33 years.

After serving the Commonwealth for 35 years as a devoted and dedicated employe, Miss Miles is retiring in December. Her expertise in researching statistics of Pennsylvania's mineral industries will be greatly missed.

Miss Miles was born in Plymouth, Luzerne County, in Pennsylvania's Anthracite region. Her father, Edward Miles, began working in the coal mining industry picking slate at the age of 11.

"Kay" graduated from Forty Fort High School and the Wyoming Seminary School of Business. She began working for the Commonwealth of Pennsylvania in 1941, interrupted to this date only by her service in the Women's Army Corps during World War II.

She compiled her first edition of the the Annual Report in 1947 for the Department of Mines and Mineral Industries and continued this work until 1980.

Catherine Miles has performed a great service to the people in Pennsylvania's mining industries and for this service the 1979 edition of the Annual Report is dedicated to her.



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# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES



July 21, 1980

The Secretary

The Honorable Richard Thornburgh Governor Commonwealth of Pennsylvania Harrisburg, Pennsylvania 17120

Dear Governor Thornburgh:

It is with extreme pleasure that the Department of Environmental Resources herewith submits the 1979 Annual Report on Mining Activities (formerly the Annual Report on Mining, Oil and Gas and Land Reclamation and Conservation Activities).

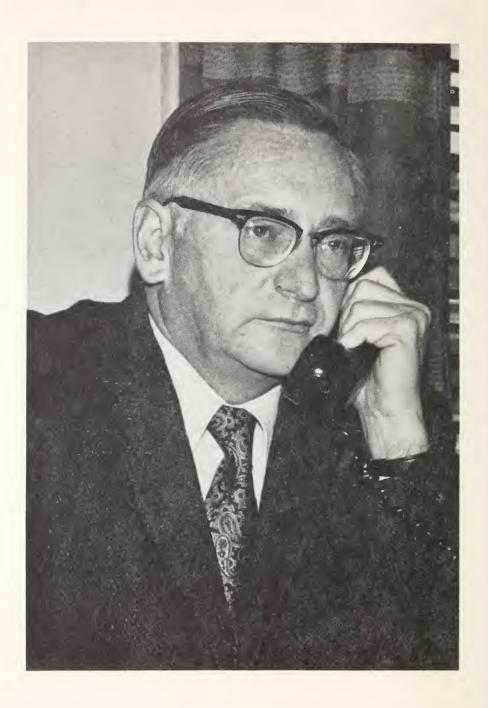
The information on anthracite and bituminous coal is in compliance with the Pennsylvania Anthracite Coal Mining Act (November 10, 1965, P.L. 346) as amended and the Pennsylvania Bituminous Coal Mine Act (July 17, 1961, P.L. 659) as amended.

The record of accomplishments in mineral production reflect that our organizational approach and program structure is providing the Commonwealth with efficient and effective management.

This edition represents the 110th Consecutive Annual Report Concerning Anthracite and Bituminous Coal Mining Activities, and includes as well, data on oil and gas and pits and quarries within the Commonwealth.

Sincerely

Clifford L. JONES ) one



# CLIFFORD L. JONES

Clifford L. "Cliff" Jones was sworn in as Secretary of the Pennsylvania Department of Environmental Resources on February 23, 1979.

He was named to the post by Gov. Dick Thornburgh, who said he chose Jones because of his record as a problemsolving administrator.

The Department, with 4,500 employees and an annual budget of nearly \$120 million, is responsible for protecting Pennsylvania's air, water and land and for making sure the state's natural resources are used wisely.

DER is the third cabinet-level post Jones has held in a 26-year career of public service.

He was Secretary of the Department of Labor and Industry from March 1969 to June 1970, and Secretary of the Commerce Department from January 1967 to April 1968. At one point, he briefly held both jobs at the same time.

As Secretary of Commerce, Jones was a member of the Sanitary Water Board and the Air Pollution Commission, which were responsible for pollution control before DER was created.

Much of Jones' career in public service has been devoted to providing jobs for people and new industries to help local and state economies.

He was Deputy Secretary of Commerce from April 1963 to January 1967, where his duties included serving as Executive Director of the Pennsylvania Industrial Development Authority.

From October 1957 to April 1963, Jones was Executive Director of the Greater Hazleton Chamber of Commerce and Can-Do, Inc., a non-profit industrial development corporation.

For his success in bringing jobs to Hazleton, Jones was named the Hazleton Jaycees' Outstanding Young Man of the Year in 1962 and the Pennsylvania Jaycees' Outstanding Young Man of the Year in 1963.

Jones was a Vice-President of the Pennsylvania Manufacturers' Association.

He also was Executive Director of the Lawrence County Council of Boy Scouts of America, Executive Manager for the Dover, Ohio Chamber of Commerce and the Dover Industrial Development Corp., Chairman of the Luzerne County Tourist Promotion Council, Secretary of the Anthracite Expressway Association and Secretary-Treasurer of the Pennsylvania Chamber of Commerce Executives.

As State Republican Chairman from 1970-73, Jones helped the party eliminate a \$600,000 debt. His political experience also includes managing a statewide campaign and serving as a delegate to the Republican National Convention.

And from January 1975 until he resigned to join DER, Jones was President of Pennsylvanians for Effective Government, a nonpartisan political and educational committee. PEG's membership consists mostly of persons from the farm and business communities who are concerned about good government.

A native of Sharpsville, PA., Jones received his B.A. degree from Westminister College, New Wilmington, PA. He is a veteran of the U.S. Army.

Married to the former Jean Quivey of Canonsburg, they have three children: Nancy, Martin and Bradley. They live in Camp Hill, PA.

#### FOREWORD

Since the Federal initial performance standards were promulgated under the Surface Mining Control Act of 1977, P.L. 95-87, the Department has been placing additional emphasis on the evaluation of hydrologic consequences, blasting practices, erosion and sedimentation control and detailed reclamation plans.

The Ad Hoc Task Force for Mining Legislation completed the major part of developing amendments to five Pennsylvania statutes. The amendments will make the Pennsylvania statutes consistent with P.L. 95-87 enabling Pennsylvania to apply for primacy in the regulation of mining activities. As soon as the General Assembly enacts these amendments and the Environmental Quality Board promulgates the necessary regulations, Pennsylvania will have a completed application for primacy under the Federal law.

There were 1,109 licensed surface mine operators in 1979 operating 1,794 Bituminous mines and 95 Anthracite mines and more than 1,000 non-coal mines. The combined Bituminous and Anthracite strip mine production reflects a decrease of 1,464,101 tons for 1979.

Milliam B. Minide ... do of WILLIAM B. MIDDENDORF Deputy Secretary for Environmental Protection



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES



June 25, 1980

Area Code 717 787-1376

Honorable Clifford L. Jones, Secretary Department of Environmental Resources 9th Floor, Fulton Building P. O. Box 2063 Harrisburg, Pennsylvania 17120

Dear Secretary Jones:

As required by the Anthracite and Bituminous Coal Mine Acts, I herein submit a brief report on the activities of the Office of Deep Mine Safety for 1979.

Deep mine production in the Anthracite region totaled 519,615 tons, down 3.3% from the previous year. Employment, however, remained constant with approximately 2,000 miners. There was one fatal accident during the year, the same as in 1978, but nonfatal accidents increased 53% to a total of 264.

In the Bituminous Coal region deep mine production showed an improvement of 30.9% over 1978, totalling 43,456,000 tons. This deep mined coal represents over half the total bituminous coal production in the Commonwealth which increased 11.4% in 1979 to 83,619,000 tons. There was an increase in fatal accidents for the year, up from eight to twelve and nonfatal accidents rose 57% to 3,313 (including those from surface operations). Total number employes working in the Bituminous underground industry at the close of the year was 26,659.

The Deep Mine Safety program continues to focus on training and enforcement as its priorities. Under a federal grant program (which has increased to \$1 million per year) the on-line training programs of pre-employment orientation, mine rescue and emergency medical technician training will be greatly expanded.

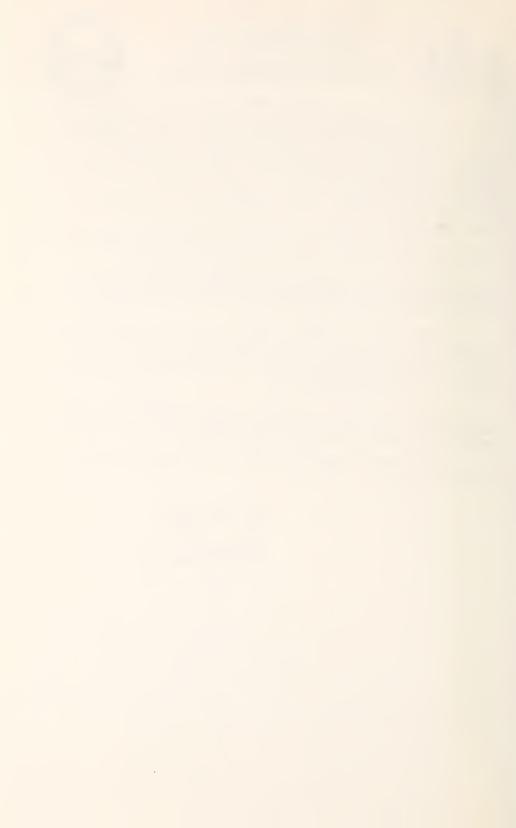
Please accept our thanks for the support you have continually given us in our attempt to meet our mine safety goals.

Respectfully,

Walter J. Vicinelly Commissioner

W.g. Vicinelly

Office of Deep Mine Safety



# FATAL ACCIDENTS

Name of Victim:

Patrick J. Bruce Address: Box 155-A, R. D., Loretto, Pennsylvania

Name of Mine:

Dias

Name of Company: Date of Accident: The Florence Mining Company

January 2, 1979

L. D. Kimmel, Mine Inspector

16th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On January 2, 1979 at approximately 5:15 a.m., the victim, a shuttle car operator, was fatally injured after 3 years, 11 months of mining experience. The victim was in the process of setting post (leg) under wood crossbar on opposite side of miner (tight side) while reaching for some wedges with his body toward face area under unsupported roof. A piece of rock approximately 70" x 70" x 17" fell from the roof and struck the victim, knocking him to the mine floor, resulting in the victim being covered up by the piece of rock.

#### CAUSE OF THE ACCIDENT

This accident was the result of the victim exposing himself to known hazardous roof condition without first protecting himself by setting temporary roof supports before attempting to set permanent supports.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

Strict compliance with the adopted roof control plans and by withdrawing certificate of any person failing or refusing to comply with the requirements of the Bituminous Coal Mining Laws.

Name of Victim:

William B. Feather

Address:

224 Front Street, Morgantown, West Virginia

Cumberland "C" Name of Mine:

U. S. Steel Corporation Name of Company:

Date of Accident: January 2, 1979

Edward C. Urbany, Mine Inspector

4th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On January 2, 1979 at 3:25 p.m. the victim was assisting in the almost simultaneous splicing of two shuttle car cables. The victim and his partner were splicing one cable and the other pair of mechanics were splicing the other car cable which was completed before the one that the victim was working on.

The cable was mistakenly energized by the mechanics who completed their splice first, thinking they were putting power on their car, when actually they energized the other cable by using the unit check feature of the cable monitoring device.

#### CAUSE OF THE ACCIDENT

The cable was accidentally energized.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

Use lock out on all equipment that is being worked on, and better means of positive identification of equipment being energized. Modify monitoring device to eliminate over-riding feature.

James W. Forcey Surface Mine Conservation Inspector

District #44

On January 8, 1979, at approximately 7:10 a.m., a driller, 23 years of age, married with 2 children under 18 years of age, with approximately 1.5 months experience at this occupation, was fatally injured when he raised the boom of the drill up into a high tension line, at a surface mine operation of W.R. Trumer Coal Company under Mining Permit No. 1576-1 in Decatur Township, Clearfield County.

## DESCRIPTION OF THE ACCIDENT

When victim finished shift the day before, he parked the drill under the power line. In the morning when he started shift, there was a loose piece of steel on the rack. Victim decided to replace it from where drill was sitting. He started the drill and raised the boom right up into the high tension line. It hit the line and either broke the line or burned it.

#### CAUSE OF THE ACCIDENT

Cause of the accident was raising drill boom into high tension line. Victim electrocuted.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

Do not work within immediate area of power lines.

#### RESPONSIBILITY FOR THIS ACCIDENT

Accident was the responsibility of the victim. According to the job superintendent, Mr. Yingling, the victim had been cautioned previously concerning the power lines.

Name of Victim: Daniel T. Anderson

Address: R. D. 1, Boyers, Pennsylvania

Name of Mine: Sunbeam Coal Tipple - Coal Cleaning Plant
Name of Company: Sunbeam Coal Company

Date of Accident: January 18, 1979

Jesse L. Bolen, Mine Inspector

1st Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On January 18, 1979 at approximately 11:00 a.m., the victim, a laborer, was fatally injured while working at a coal cleaning plant of the Sunbeam Coal Company. The victim was observed by drag line operator standing on catwalk to feeder bin to the right of drag line. Operator swung drag line to left to pick up a bucket of coal and when operator returned the drag line back towards feeder bin with bucket of coal, he did not see victim anywhere in area of feeder bin. Operator shut drag line down, set bucket of coal on ground, and went to investigate as to victim's disappearance. Victim was finally located inside of a rotary breaker that feeds coal from feeder bin to breaker. Cause of victim being located inside rotary breaker is unknown. It is assumed that victim either slipped and fell or lost balance which caused him to fall into feeder bin and end up in rotary breaker.

#### CAUSE OF THE ACCIDENT

Victim either slipped, fell or lost balance that caused him to fall into feeder bin and end up in rotary breaker.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

In addition to installing a method of heating and vibrators on to feeder bin to prevent coal from building up or freezing and accumulating on the sides of the bin, the following safety precautions should be mandatory:

- A metal gate shall be installed at end of catwalk at feeder bin. Gate shall be 3 feet high and so constructed to permit probe bar to be maneuvered between or through open areas of gate. The gate shall be equipped with a switch to stop feeder and breaker when gate is open. Gate shall only swing open towards employe on catwalk.
- 2. Catwalk area shall be secured and leveled by additional support.

- Sufficient floor covering over feeder bin area shall be provided along with safety belts and ropes when emergency work is being done on top of feeder bin area.
- Safety belts and ropes must be used (worn) by all employes when using probe bar on catwalk.
- 5. Put guard at tail piece end of conveyor.
- A disconnect switch capable of interrupting the full load current of the rotary breaker motor shall be installed on the motor platform.

Name of Victim:

David D. Devecka

Address: Name of Mine: Box 329, Clarksville, Pennsylvania

ne: Vesta #5

Name of Company: Date of Accident: Jones & Laughlin Steel Corporation

March 26, 1979

Wayne L. Reynolds, Acting Mine Inspector

8th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

The victim was critically injured from a piece of falling rock at the Jones & Laughlin Steel Corporation's Vesta #5 Mine, Combs Portal, near Scenery Hill, Washington County, Pennsylvania in the 43 Face, 3 Butt, #4 Entry Section of the Mine on March 26, 1979 at approximately 5:15 a.m.

The victim entered the mine on the 12:01 a.m. shift, and during his shift, was in the act of bolting in the face of 43 face, 3 Butt, #4 Entry. After the installation of eight roof bolts, the victim was using the left side drill and his buddy, Thomas R. Slack, was drilling with the right side boom. They were drilling the first set of bolt holes in the third row which was 16" inby the temporary roof support, and his buddy had drilled his hole 18" inby the temporary roof support, when the victim was struck by a piece of falling rock.

The victim was removed to a safe place and given immediate first aid by the section crew, of which one was an EMT, mouth-to mouth resuscitation, CPR, and was transported to the mine surface. The victim was then taken by ambulance to the Brownsville Hospital in Brownsville, Pennsylvania, Fayette County where he was pronounced dead at 7:50 a.m. During the investigation, it was found that the temporary roof support mounted on the bolting machine was installed in the working place and one temporary roof support 7'6" from the face and 35" from the right side rib. The bolt hole that the victim was drilling was 16" inby temporary roof supports, and Mr. Slack was drilling his hole 18" inby the temporary roof support.

In the working place being drilled, there was evidence of a slip in the roof running across the entry. The 43 Face, 3 Butt Section is a developing section, being developed on a Four-Entry System. The immediate roof is a conglomerate of shale and slate.

CAUSE OF THE ACCIDENT

Victim struck by a piece of falling rock.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

When unusual abnormal conditions, slips in the roof, soapy roof, etc. are encountered, the foreman must be present to supervise the evaluation and conditions of the roof.

Give instruction as to the method of scaling and trimming down of the roof.

Supervise the positioning of jacks and temporary roof support so as to get the maximum support and the moving of supports to install permanent supports when temporary roof supports are used.

When visible slips or abnormal conditions are encountered, additional roof supports must be installed while under the temporary supports before removing temporary supports, or advancing temporary supports - in this case temporary roof supports mounted on the roof bolting machine.

Bolting pattern must be placed to give maximum protection of the workmen.

Explicit instructions given the workmen in the procedures to be used and methods of carrying out their assignments in a safe and orderly manner and at no time advance beyond the temporary roof support to install permanent roof supports.

Men engaged in this type of work must be trained in the safe work procedures.

Name of Victim: Frederick J. Schaffranek

Address: R. D. 2, Box 513, Portage, Pennsylvania

Name of Mine: Harmony #1

Name of Company: Harmony Mining Company
Date of Accident: June 12, 1979

.Michael Phillips, Acting Mine Inspector

21st Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On Tuesday, June 12, 1979, at about 12:01 a.m. the 3rd left section crew, under the supervision of George Leturgey, section foreman, entered the mine and traveled to the active areas of the 3rd left section, arriving there at approximately 12:55 a.m. Leturgey made an examination of the working areas and then assigned duties to the crew members.

Ron Leturgey, roof bolter operator, and Frederick Schaffranek (victim) roof bolter helper, began bolting the roof in the face area of the No. 21 room. After completion of the bolt installations, Schaffranek started cleaning the roadways with the scoop tractor.

During this time, Ron Leturgey went to check the roof bolter cable and then returned to the intersection of the No. 1 entry and No. 21 room where he observed Schaffranek cleaning the roadways. Schaffranek had pushed the loose coal into the intersection of the No. 1 entry and after turning the scoop tractor around then scraped toward the right rib. Leturgey then observed the scoop tractor moving in a reverse direction until it hit the corner of the left rib. The scoop tractor stopped momentarily and because of the slight grade then drifted forward with Schaffranek slumped over. The scoop tractor coasted about 10 feet before stopping against the right coal rib. Leturgey realized that something had happened and called for help.

David Christ, general laborer, heard the scoop tractor operating in the crosscut inby him as he entered No. 20 room. When he looked toward the scoop tractor, he saw it drifting away from the rib with Schaffranek slumped over. At the same time, he heard Ron Leturgey calling for help. Christ went to the scoop and de-energized it by using the on-off switch.

George Leturgey, section foreman and trained emergency medical technician, was at the tail of the belt when informed of the accident and went immediately to the accident scene. It was immediately apparent that Schaffranek had sustained mortal injuries. He was pronounced dead by John Barron, Coroner, at 4:05 a.m.

#### CAUSE OF THE ACCIDENT

The accident occurred because the redesigned operator's compartment placed the scoop tractor operator in a reclining position with his head and shoulders unprotected beyond the frame of the machine, and because the victim failed to maintain adequate clearance with the corner of the rib through misjudgement or lack of observation.

## MEANS OF PREVENTING A SIMILAR ACCIDENT

Scoop tractor must be designed so that the operator's head and shoulders must be confined within the cab.

When operating equipment, turn in the travel of direction.

Name of Victim:

James Stine R. D., Box 404, Morrisdale, Pennsylvania Address:

Rushton Name of Mine:

Name of Company: Rushton Mining Company

Date of Accident: July 30, 1979

Theodore Britten, Jr., Mine Inspector

17th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On July 30, 1979, at about 4:30 a.m., a mechanic, 54 years of age, married and having 111/2 years mining experience, about 61/2 years as a mechanic, was fatally injured when he was caught underneath a 28-H Lee Norse Miner tail while checking out hose for a leak in the Rushton Mining Company's Rushton Mine 2-South D-Butt No. 6 entry. He died in the hospital on the same day at 8:38 a.m.

The crew for the 2-South D-Butt Section entered the mine on the 4:01 a.m. shift July 30, 1979. On arriving in the section, they had a sandwich at the dinner hole and then proceeded to service and examine machinery and working places. Machine operator began loading in the cross cut between the No. 6 and No. 5 entry, finished mining in this place, and then moved into the No. 6 entry face, finished up mining and cleaning up with the exception of right rib when machine operator noticed a hose spraying oil up under control valve bank. He asked for the mechanic to come repair leak. Mechanic (Stine) came to machine and along with the operator and helper began searching for hose and found when cover was off and the tail raise control was activated the hose sprayed oil. At this time the section foreman and two support men came up to machine. Section Foreman (Hanslovan) asked what was the trouble and Stine said they had a hose leaking and that it would need to be changed. Section foreman told the helper and machine operator to go for dinner and for the support men to put oil in the machine. Stine said to section foreman, I have hose apart and need to couple it up to raise tail. This he did and then raised the tail up and asked section foreman to pull on hose that he may locate it underneath where it was to go. Section foreman pulled on hose a few times and then tail fell pinning Stine underneath tail.

#### CAUSE OF THE ACCIDENT

This accident was the result of the victim placing himself in a dangerous position underneath the raised tail of a 28-H Lee Norse Miner, putting the hydraulic hose coupling together which is the type hair pin quick disconnect fitting hose not properly sealed and hair pin not entirely locked causing hose to blow off coupling and spraying out oil releasing pressure of tail jacks resulting in tail falling.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

When and where equipment repairs are being made, the equipment shall be adequately secured to prevent persons working near and around it from being injured.

Management shall instruct all employes on the job safety hazards and how to properly secure their work area. Management shall perform in compliance with the provisions of the Bituminous Coal Mining Laws of Pennsylvania and shall direct and supervise job performance and take action immediately to correct unsafe acts and unsafe conditions.

A constant campaign on safe work habits to be stressed. Legal supervision by the foremen of all areas under their jurisdiction.

This fatal accident and all future potential accidents of this type can be prevented and eliminated by proper supervision and enforcement of rules, regulations, and laws governing the proper legal and safe way on performance of their duties without causing injury to themselves or their fellow employes. Failure by the mine management and mine employes to eliminate unsafe condition immediately jeopardizing the safety of the employes shall be reduced to a minimum and fully eliminated where possible.

Management shall instruct all employes on how to work safely and take immediate disciplinary action to insure the safety of the employes.

Employes shall accept instructions and follow all safety training programs so to prevent accidents of this type.

Employes shall insist on having safe working area and do not work or perform in an unsafe way and/or work area underneath raised equipment without first properly securing the equipment.

Management shall perform their duties in compliance with the Bituminous Coal Mining Laws of Pennsylvania, Act 339, revised July 17, 1961. Management shall direct, instruct, and observe person while working and see to it that no person does work in an unsafe manner, that one is protected and refrained from doing an unsafe act, or exposes oneself to a hazard. The management shall be constantly alert for any change in work habits of their people under their supervision and take immediate action to correct any unsafe act.

All supervisors be made aware of this accident and discuss and point out the hazards involved to people under their immediate supervision and see to it that safety devices are provided and used.

Name of Victim: Harold White

Address: R. D. 1, Pine View Trailer Court, Export, Pennsylvania

Name of Mine: Renton

Name of Company: Consolidation Coal Company

Date of Accident: September 11, 1979

Richard C. Murphy, Mine Inspector

5th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On September 11, 1979 at 1:35 p.m., the victim, a supply motorman with 31 years experience in mining was fatally injured at the Renton Mine in a transportation accident.

At the time of the accident, the victim was on his motor when its brakes apparently failed causing the motor to move downgrade. The victim could not stop the motor and it crashed into a conveyor that was extended out over the end of a flat car - the conveyor waiting to be sent outside for repairs. The victim was pinned between the motor and the conveyor and died from internal injuries resulting from a crushing impact to the chest area.

#### CAUSE OF THE ACCIDENT

The motor, which was defective, began moving downgrade and apparently could not be stopped before it ran into the conveyor which was parked on a flat car.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

A system should be instituted for dangering off or locking out all defective equipment. Such defective equipment should be noticeably identified. A responsible person should be instructed to oversee that all equipment is safely maintained. Employes who find a defective piece of equipment should lock it out until it is repaired. A more effective communication system should be instituted to eliminate repetition of this type of accident.

Any overhanging equipment should have a mine car or supply truck parked in front of it until it is transported.

Name of Victim: John E. Marn

Address: 212 Highland Avenue, West Newton, Pennsylvania

Name of Mine: Mathies

Name of Company: Mathies Coal Company
Date of Accident: September 19, 1979

Robert E. Fulton, Mine Inspector

6th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On September 19, 1979 at 10:20 a.m., the victim, a company safety supervisor, was fatally injured after 4 years, 7 months total mining experience. The victim entered a newly installed emergency escape capsule at Kerr Shaft. The cable attached to the capsule slipped through the recently installed safety clamp which had been attached to the capsule. The capsule, with the victim inside, fell free approximately 184 feet to the bottom of the shaft. The victim died immediately from multiple injuries.

#### CAUSE OF THE ACCIDENT

The safety clamp was attached improperly to the capsule. The cable used with the safety clamp was not of the classification of cable recommended by the manufacturer on the clamp. The hoisting operation was not set up as the manufacturer had intended in that the clamp, cable, safety chains and capsule were not used together as contemplated by the manufacturers. No one prevented the victim from entering the emergency escape capsule and being lowered.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

Before any changes or installations are made on any elevators or hoisting equipment, the mine operator should meet with the state district mine inspector and a representative from the hoisting equipment company or elevator company with knowledge of the equipment involved. Manufacturer's or dealer's instructions and diagrams should be provided to persons assembling or installing any devices or equipment on the hoisting operation. Management should examine the safety of the hoisting operation, including the strength and installation of the cables, by making the weight tests and other tests recommended by the manufacturer of the hoisting equipment. Means of stopping the emergency escape capsule should be provided to stop the capsule regardless of where the cable may break and regardless of what malfunction may occur.

Name of Victim:

Marilyn J. McCusker

Address: Name of Mine: R. D. 1, Box 244, Coalport, Pennsylvania

Rushton

Name of Company: Date of Accident: Rushton Mining Company

October 2, 1979

Gerald F. Moody, Acting Mine Inspector

17th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

At approximately 4:00 p.m., Mine Inspector Gerald F. Moody arrived at the Rushton Mine to investigate the reported accident to Marilyn McCusker. He talked with Superintendent Blair Rickard and then proceeded underground to 7 Butt, 1st East section. He was accompanied by Mine Inspector Theodore Britten, Jr.

Mine Inspector Moody went to the site of the accident and to the front of the roof bolting machine. He saw two temporary roof supports lying on the ground, a couple feet from the machine. He saw no other temporary roof supports.

On Wednesday, October 3, 1979, Mine Inspector Moody conducted an investigation at the office of Rushton Mine. The testimony indicated that the crew entered the Mine at approximately 8:00 a.m. on October 2, 1979. They arrived on the section at approximately 8:30 a.m. It is their usual procedure to eat a sandwich and then resume the daily production routine. The roof bolter operator's helper did not show up for work on that date; the victim apparently stated that she was assigned to help the roof bolter operator rebolt an area.

The section foreman stated that he showed the bolter where to bolt. It was stated that he had talked to the previous shift bolter who had said he had hit a break in the roof at the two foot level.

The roof bolter operator and the victim were working on rebolting an area from which the mining machine had been withdrawn on the previous active working day. The withdrawal was due to water seepage from a crack in the roof area over the tram way at the intersection of #6 entry and #1 crosscut. Some bolting had been done in the intersection by the previous production crew. The operator and the helper proceeded to the 6 Butt area to get bolts, returned to the site, and installed approximately 18 four foot bolts. Right before the dinner break, the operator discovered a crack at the 4 foot level. The operator informed the section foreman that they needed six foot pins and straps used for additional roof support in areas such as described. They got these materials from the 6 Butt area.

The acting mine foreman visited the place after dinner; he and the operator determined that the roof towards the right side of the stump had to be rebolted. Approximately six bolts of six foot length each were installed between lunch and the time of the accident.

The acting mine foreman stated that he did not speak to the victim, who he said was back along the bolter at the time of his visit.

No temporary roof supports were used while the roof bolter operator and the victim installed additional bolts.

At approximately 3:15 p.m., the victim shouted to the operator, "This roof is working." It appears that the operator had not been aware that the roof was on the move. Apparently, the victim tried to run, but was pushed to the ground by the falling roof rock. The operator could not retreat outby the entrance but elected to traverse around the block of coal and approach the scene of the accident from the outby side. The rest of the production crew was summoned to help. When the dust settled, the victim's light could be seen shining out from under the falling rock with her head outby and the feet pointing toward the area from the gob side. The victim was removed by jacking the rock from her lower torso and since no pulse was present, she was assumed dead. The victim was removed from the mine and pronounced dead at the Philipsburg General Hospital. She was taken by ambulance.

Nowhere in the testimony did it indicate that any instructions were given to install temporary supports. None of the persons questioned displayed familiarity with condition 7 of the roof support plan.

Testimony also indicated that mining had taken place out of sequence. No. 6 pillar was mined first; then No. 8 pillar was mined partially; then they returned to mine No. 7 pillar.

#### CAUSE OF THE ACCIDENT

The cause of this fatal accident was a massive roof fall in a retreat pillar section of the Rushton Mining Company located near Osceola Hills, Centre County, Pennsylvania.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

The management and employes of Rushton Mining Company must adhere to the following good and safe mining practices, namely:

(1) The map provided by the company during the investigation and the testimony heard at that time, indicate that pillar removal was not done on a systematic manner. Pillars should be recovered to cause full collapse of the roof, and to lessen the stress on the remaining pillars. Therefore, pursuant to the roof support plan, pillar removal shall be done in a systematic manner, along a uniform pillar line that eliminates pillar points and pillars that project inby the breakline. Management must pay special attention to pillar removal operations, pursuant to Section 222(g) of the Pennsylvania Bituminous Coal Mine Act.

- (2) At least two rows of temporary roof supports on not more than five foot centers shall be installed across the place, where rebolting work is being done or where crossbars are being installed to eliminate a hazardous roof condition in accordance with Condition 7, page 6, of the roof support plan.
- (3) Management and labor must be fully conversant with the roof control plan. First, training and retraining must be done of all employes systematically, in order that everyone will be aware of the requirements of the Pennsylvania Bituminous Coal Mine Act and the roof support plan adopted at the mine pursuant to that Act. Second, management must instruct employes on the placing of roof supports while the employes are working in such areas, pursuant to Section 222 of the Pennsylvania Bituminous Coal Mine Act and the roof control plan. Also, management must instruct employes while they are working to use additional roof supports when and where necessary, pursuant to Section 253 of the Act and the roof support plan. Third, employes must be familiar with the Pennsylvania Bituminous Coal Mine Act and must place additional roof supports where they are needed or required pursuant to the Act and the roof control plan.

Name of Victim: Walter J. Rackovan

Address: Box 172, Barnesboro, Pennsylvania

Name of Mine: #2

Name of Company: Greenwich Collieries
Date of Accident: October 19, 1979

William Garay, Mine Inspector

19th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On Friday, October 19, 1979 at approximately 2:50 p.m., a certified machine operator, 41 years of age, married with one dependent under the age of 18, and with 7 years 8 months experience of which he served 5 years 2 months as a miner operator at the Greenwich Collieries #2 Mine, received fatal injuries from a rock fall accident in the #3 room of the P-14 section, Greenwich Collieries #2 Mine.

The victim and his fellow workers were in the process of timbering the #3 room which they had mined through into the P-12 section. The crew had installed one 4" x 8" x 18' wooden bar and was in the process of installing the second wooden bar when a large piece of slick sided rock fell striking the victim and pinning his head, neck and chest against the right side of the continuous Lee-Norse miner, causing a fractured skull, broken neck and crushed chest, resulting in death.

#### CAUSE OF THE ACCIDENT

This accident was caused by a sudden collapse of large rock, which crushed the victim's head, neck and chest as he was positioned across the miner plow.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

An accident of this nature can be prevented by workmen making proper and adequate examinations and evaluation of the work area. The roof area should be supported with sufficient temporary supports. The mine foreman shall personally contact each one of his assistants to see that they are aware of this accident and have them discuss it with the workers under their supervision.

Name of Victim:

Thomas Karolewics Address:

48 Ridge Road, Brownsville, Pennsylvania

Name of Mine: Marianna #58

Name of Company: Bethlehem Mines Corporation

Date of Accident: October 19, 1979

A. M. Pawkosky, Mine Inspector

26th Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On October 19, 1979 at 10:20~p.m., the victim, 30 years of age, a mine car repairman, was fatally injured when he was caught between a mine car and the wall of the repair shop. The victim and his co-worker had just completed repairing a mine car which had been turned upside down for a repair. While righting the car to return it to normal operating position (and using the overhead crane), it was hooked on to the crane by a single chain that was thrown over the hook of the crane, then both ends of the chain were fastened to the car by 5/8" bolts. As the car was being raised up to right it (and when raised on its side) one of the bolts that was fastened to the car and chain snapped or broke off letting the car fall over on the victim and catch him between the car and the wall of the repair shop. The only witness to the accident was his coworker who immediately went for help.

#### CAUSE OF THE ACCIDENT

Turning mine cars upside down to repair them in this small underground car shop (according to the repairmen and management) has not been an every day practice. Everyone that was questioned stated that this was very seldom seen or done. However, in this particular incident, when it was done, special precautions were not taken to make a double safe hook-up to the car so that if one hook broke another would hold. In this case, when one hook-up let go, the car fell free and caught the victim.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

The mine management has been instructed and has agreed that no mine cars in the future will be turned upside down for repairs in this underground car shop.

Name of Victim: Glenn A. Rose

Address: R. D. 1, Schellsburg, Pennsylvania

Name of Mine: Laurel

Name of Company: Consolidation Coal Company

Date of Accident: October 26, 1979

Raoul A. Vicinelly, Acting Mine Inspector

22nd Bituminous District

#### DESCRIPTION OF THE ACCIDENT

On October 26, 1979 at approximately 6:20 p.m., the victim, a shuttle car operator with three years five months mining experience was fatally injured at the Laurel Mine. On the day of the accident the 4:00 p.m. to midnight shift crew in 2 West Section, #7 Entry, was in the process of loading the last shuttle car of coal to clean up the cut at approximately 5:15 p.m. when the continuous miner helper noticed a piece of slate on the mine floor which was about to push out the second jack used as a temporary roof support in the face area. He stopped the operator, went in and removed the piece of slate. He then came out of the face area and did not see the off standard shuttle car operator in his shuttle car. He then walked back to the discharge end of the shuttle car and found the victim's head  $\rho$  inned between the outby rib and to the shroud (cab portion of the shuttle car).

#### CAUSE OF THE ACCIDENT

The victim's head was pinned between the rib (48 feet from the face) and the shroud of the shuttle car. There were no eye witnesses to this accident.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

Face direction of travel at all times. Keep all parts of the body inside the cab when operating the shuttle car, and tram the shuttle car in the center of entry or breakthrough.

Name of Victim: Anthony Shalamanda

502 Warsaw Street, Marion Heights, Pennsylvania Address: 5 Vein, No. 2 Slope, Hickory Ridge Colliery D. R. Z. Coal Company Name of Mine:

Name of Company: Date of Accident: December 29, 1979

C. E. Kashner, Mine Inspector

3rd Anthracite District

#### DESCRIPTION OF THE ACCIDENT

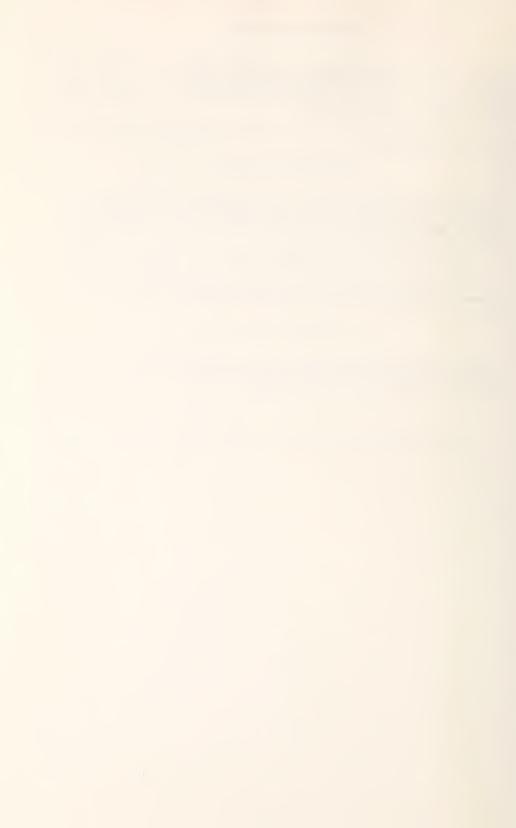
On December 29, 1979, at 10:45 a.m., a fall of top clod, measuring one foot thick, fourteen feet square, struck the victim, about four feet in from the lower edge. The victim was in charge of the mine. He made no attempt to support or blast the rock down before the accident.

#### CAUSE OF THE ACCIDENT

The cause was the result of the victim working under an unsupported top clod, in an area too wide and too long to be worked without being supported.

#### MEANS OF PREVENTING A SIMILAR ACCIDENT

A similar accident can be prevented by closer observation and determination of immediate roof conditions and necessary steps taken to secure working and travel area before any attempt is made to do any other work.



# ANTHRACITE REGION STATISTICAL REPORTS

#### Production, Employes, Fatalities, 1870 to 1979

		Washery				Produc-	Fatal- ities Per 1,000,000 Tons	No. of Mine In-
	Production	and Bank	Stripping		Fatal-	per	Pro-	spec-
Year	(Net Tons)	Production*	Production*	Employes #	ities #	fatality #	duced #	tors #
1870	14,172,004			35,600	211	67,166	14.89	5
1871	15,532,252			37,488	210	73,963	13.52	5
1872	15,567,973			44,745	223	69,811	14.32	5
1873	21,001,521			48,199	264	79,551	12.57	5 5
1874 1875	19,930,240 23,402,646			53,402 69,966	231 238	86,278 98,330	11.59 10.17	6
1876	23,440,666			70,474	228	102,810	9.73	6
1877	24,727,213			66,842	194	127,460	7.85	6
1878	20,900,966			63,964	187	111,770	8.95	6
1879	31,036,600			68,847	262	118,460	8.44	6
1880 1881	27,974,532			73,373 76,031	202 273	138,488 125,284	7.22 7.98	6 7
1882	34,202,558 35,057,430			82,200	295	118,839	8.41	6
1883	37,747,369			91,421	323	116,865	8.56	6
1884	36,468,738			101,073	332	109,846	9.10	6
1885	38,232,155			100,320	332	115,157	8.68	7
1886	38,950,932			103,044	279	139,609	7.16	7
1887	42,156,300			106,517	316	133,406	7.50	7
1888	46,635,037			122,218 119,646	364 397	128,118 109,952	7.81 9.09	8 8
1889 1890	43,650,768 44,986,286			119,646	378	110,011	8.40	7
1891	49,701,322			123,308	428	116,125	8.61	8
1892	51,226,978			130,300	418	122,553	8.16	8
1893	52,841,110	¢		138,069	456	115,880	8.63	8
1894	50,966,920	386,960		139,939	446	114,276	8.75	8
1895	56,948,756	386,534		143,705	421	135,270	7.39	8
1896 1897	53,843,250	527,809		150,088	502	107,257	9.32	8
1898	52,581,036 52,812,675	732,743 697,759		149,557 142,420	423 411	124,305 129,498	8.04 7.78	8
1899	60,518,331	1,055,426		140,604	461	131,276	7.62	8
1900	57,363,396	1,818,170		143,824	411	139,570	7.16	8
1901	67,094,665	2,009,864		147,651	513	130,789	7.65	8
1902	41,340,935	2,965,792		148,139	300	137,803	7.26	8
1903	75,232,585	4,119,258		151,827	518	145,237	6.89	15
1904 1905	73,594,369 78,647,020	3,440,420		161,330	595 644	123,688	8.08 8.19	15
1906	72,139,510	3,897,688 4,880,402		168,254 166,175	557	122,123 129,514	7.72	15 19
1907	86,056,412	5,630,169		168,774	708	121,549	8.23	20
1908	83,543,243	4,635,923		174,503	678	123,220	8.12	20
1909	80,223,833	5,206,562		171,195	567	141,488	7.07	20
1910	83,683,994	5,412,167		168,175	601	139,241	7.18	20
1911	90,917,176	4,555,457		173,338	699	130,067	7.69	21
1912 1913	84,426,869 91,626,964	4,317,161 2,934,157		175,098 175,310	601	140,477	7.12	21 21
1914	91,189,641	2,702,537		180,899	624 600	146,838 151,983	6.81 6.58	21
1915	89,377,706	3,418,427		177,339	588	152,003	6.58	21
1916	87,680,198	4,432,606		159,169	565	155,186	6.44	25
1917	100,445,299	6,408,227		156,148	581	172,883	5.78	25
1918	99,445,794	7,246,454		148,226	556	178,859	5.59	25
1919	87,838,024	3,616,675		153,780	636	138,110	7.24	25
1920 1921	89,636,036 90,358,642	5,435,697		149,117	490 546	182,931	5.47	25 25
1921	53,910,201	1,842,096 2,525,402		161,926 159,880	546 300	165,492 179,701	6.04 5.56	25
1923	92,653,641	4,212,001		158,764	515	179,910	5.56	22
1924	87,277,449	1,141,796		162,503	496	175,963	5.68	22
1925	61,334,145	894,187		163,825	401	152,953	6.54	18
1926	83,874,500	1,365,175		168,734	455	184,340	5.42	18
1927	79,367,154	1,841,440		167,648	492	161,315	6.20	25
1928 1929	74,552,312 72,985,844	1,614,863		160,721	447 483	166,784	6.00	25 25
1929	68,776,559	878,599 890,389		153,422 151,171	483 444	151,109 154,902	6.62 6.46	25
1931	59,115,387	1,468,572	%	138,400	384	153,946	6.50	25
	55,225,507	2,700,572	/0	150,400	204	100,040	0.50	

							Fatal-	
							ities	No.
							Per	of
						Produc-	1,000,000	
		Washery				tion	Tons	In-
	Production	and Bank	Stripping		Fatal-	per	Pro-	spec-
Year	(Net Tons)	Production*	Production*	Employes	ities	fatality	duced	tors
1cai	(HEC TOHS)	Troduction	110ddcL10ii.	Limployes	ILIES	racarity	duced	LUIS
1932	49,501,511	1,062,853	3,545,948	119,480	243	203,710	4.91	21
1933	49,507,577	2,090,996	4,308,811	102,469	232	213,395	4.69	21
1934	56,798,951	1,516,393	4,461,894	106,251	260	218,458	4.58	19
1935	51,359,111	1,876,700	4,962,514	100,539	267	192,256	5.20	17
1936	54,264,016	1,411,988	3,757,678	99,704	241	225,162	4.44	16
1937	51,700,296	1,882,026	5,014,052	99,117	212	243,869	4.10	22
1938	46,269,511	2,031,432	5,080,344	96,998	223	207,487	4.82	20
1939	51,399,707	2,347,269	5,308,049	93,352	210	244,761	4.09	24
1940	51,526,454	2,599,280	6,010,364	90,790	182	283,112	3.53	23
1941	53,942,177	3,689,538	7,855,945	88,849	189	285,408	3.50	22
1942	57,939,629	4,045,970	9,657,307	83,707	225	257,509	3.88	22
1943	60,511,730	7,715,860	8,688,896	79,369	218	277,577	3.60	23
1944	64,112,589	10,527,481	10,925,619	78,145	171	374,927	2.67	24
1945	55,901,235	9,454,205	10,521,174	76,265	137	408,038	2.45	23
1946	61,978,710	9,214,678	12,912,992	80,556	169	366,738	2.73	24
1947	58,227,985	7,076,796	12,691,382	80,730	165	352,897	2.83	24
1948	59,108,810	6,735,688	13,485,837	80,390	131	451,212	2.22	26
1949	44,710,118	4,823,144	11,081,087	79,209	92	485,980	2.06	26
1950	46,339,255	4,027,249	12,291,325	75,231	86	538,829	1.86	25
1951	42,389,055	4,843,834	11,376,379	70,357	94	450,927	2.22	25
1952	40,067,130	4,710,495	11,019,185	66,483	92	435,512	2.30	25
1953	30,495,391	3,892,083	8,883,984	56,952	59	516,871	1.93	25
1954	26,612,312	3,055,528	7,852,186	44,731	47	566,219	1.76	24
1955**	25,934,792	3,618,121	7,826,029	37,397	60	432,247	2.31	20
1956	28,175,633	4,336,168	8,527,613	35,029	54	521,771	1.92	18
1957	25,163,466	4,356,958	7,831,511	32,767	51	493,401	2.03	21
1958	20,456,474	2,711,152	7,001,422	26,738	31	659,886	1.52	20
1959	19,670,615	2,981,696	7,272,661	24,112	46	427,622	2.34	20
1960	17,721,113	3,006,803	7,138,743	20,269	35	506,318	1.98	23
1961	16,506,612	2,418,433	7,279,371	16,971	19	868,769	1.15	23
1962	16,496,315	2,829,421	6,942,675	14,704	26	634,474	1.58	22
1963	17,411,202	2,965,213	7,552,995	14,323	30	580,373	1.72	22
1964	16,524,687	3,013,307	7,248,900	13,584	24	688,529	1.45	22
1965	14,229,817	2,611,189	5,996,536	11,839	8	1,778,727	0.56	21
1966	12,031,375	2,662,558	5,317,432	9,621	5	2,406,275	0.41	21
1967	11,552,441	3,335,557	4,910,209	7,828	9	1,283,605	0.78	21
1968	11,025,482	3,571,862	4,918,353	6,682	4	2,756,370	0.36	16
1969	10,165,805	3,319,018	4,696,123	6,461	13	781,985	1.28	16
1970	9,248,011	2,956,707	4,624,610	6,286	4	2,312,002	0.43	16
1971	8,187,961	2,492,178	4,450,457	5,816	2	4,093,980	0.24	16
1972	6,462,093	2,072,658	3,492,444	4,431	3	2,154,031	0.47	16
1973	6,293,013	2,305,265	3,284,905	4,053	1	6,293,013	0.16	12
1974	6,090,421	2,645,613	2,812,618	3,831	2	3,045,210	0.32	12
1975	5,628,741	2,520,415	2,511,703	3,877	1	5,628,741	0.17	14
1976	5,291,776	1,817,306	2,958,115	3,641	1	5,291,776	0.18	13
1977	5,060,689	1,663,864	2,896,979	3,603	11	460,063	2.17	13
1978	5,037,960	1,480,352	2,962,880	3,472	1	5,037,960	0.20	13
1979	4,835,118	1,331,655	2,933,129	3,310	1	4,835,118	0.21	13

<sup>\*</sup> Included in total production

<sup>#</sup> No accurate record previous to 1870 c No accurate record previous to 1894 % No accurate record previous to 1932

<sup>\*\*</sup> In 1955 and subsequent years the production, employes, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in this report.

# ANTHRACITE REGION PRODUCTION OF COAL, EMPLOYES AND FATALITIES BY COUNTY

County	Deep Mined Production	Strip Mined Production	Bank Production	Total Production	Deep Em- ployes	Strip Em- ployes	Bank Em- ployes	Breaker & Total Washery Em- Employes ployes	Total Em- ployes	Fatal Acci- dents	Production Per Fatal	Nonfatal Ácci- dents
Bradford		122,128	,	122,128	-	35	1	1	35	1	1	1
Carbon		63,551	24,131	87,682	1	16	11	1	27	1		ı
Columbia	35,433	100,803		136,236	77	47	1	1	91	1	1	١٠
Dauphin	8,776		24,957	33,733	13	,	e	19	35	1	1	
Lackawanna	1	12,430	27,178	39,608		9	11	22	36	1	1	ı
Luzerne	1	785,288	430,295	1,215,583	1	300	97	278	624	1	1	45
Northumberland	45,076	226,760	294,384	566,220	66	147	18	174	438	1	556,220	71
Schuylkill	491,049	1,606,960	520,795	2,608,804	475	801	119	613	2,008	1	1	290
Sullivan		15,209		15,209	1	80	1	5	13			
Susquehanna	'	1	9,915	9,915	-		3	•	3			-
REGION TOTAL	570,334	2,933,129	1,331,655	4,835,118	631	1,357	211	1,111	3,310	1	4,835,118	412

											-	Dunglant	1			And in case of the last of the				
			Nimher	Number		Number Total Breaker Number	otal	Number of	Jer	leen Ba	ink St.	and rip Washer	v Total				,,,	No.		lumber lon-
1		3		of Bank Mines	of Strip	Strip Washery Opera- Gaseous Gaseous	of of Opera- Ga	of No Gaseous Ga		Em- Em ploy- pl	loy- pl	Em- Em- Em- Em- Phoy- ploy- pl	Ploy-		Deep Bank Strip Mined Mined Mined Production Production	Strip Mined Production	of Total Fa- Production tals	of Fa-	tion i	fatal Acci-
DISCLACE	1 Robert T. Shober	27	1	26	-	1					71 -	356	427		557,951		557,951			32
2	Leonard W. Rogers	30	19	15	1	11	45	1	18	3 96	85 -	210	391	45,880	317,732		363,612	,		109
е	Clarence E. Kashner	28	21	3	,	10	34		21 8	84	00	101	193	38,795	163,412		202,207	1	202,207	10
4	Joseph J. Halaburda	23	9	11	1	16	33		9	7 92	- 24	. 257	325	15,382	171,476	•	186,858	1		43
2	Richard P. Lesser	29	26	2	,	9	34	9	20 20	208	2	154	364	215,460	96,127		311,587	ı	,	33
9	Paul L. Hummel	25	2.1	1		4	56	3	18 2	217	9	. 33	253	254,817	24,957	1	279,774	ı	,	86
20	Harry Poole	2	1		2	,	5				- 4	- 5	43			137,337	137,337	,	,	1
53	James Gaughan	9			9	1	9				1	- 09	20		,	98,432	98,432	,	,	1
26	George R. Thomas	Ŋ	1		7	1	7				_	- 92	76	1		134,257	134,257	,		1
57	James E. Leber	13	1		16	1	16				- 11	611	119	,		241,222	241,222	,		7
58	Walter A. Dieterle	7	1		17		17	,			- 54	- 949	546	1		1,314,250	1,314,250			24
59	Joseph R. Ruane	6	,		19	,	19				- 15	183 -	183			315,172	315,172	,	•	6
09	Robert E. Whitmer	17	-	-	25	,	25				- 34	340 -	340	,		692,459	692,459			777
REGION TOTAL	AL	221	93	58	9.2	7.7	323	10	83 6.	631 2.	11 1,3	211 1,357 1,111		3,310 570,334	1,331,655 2,933,129	2,933,129	4,835,118	1	4,835,118	412

## ANTHRACITE REGION

Production, How Shipped, Average Days Worked, Employes, Explosives Fatals and Nonfatal Accidents

By Inspection District -- 1979

	Non- Fatal Accidents	32	109	10	43	33	86	1	1	1	7	24	6	44	412
	Fatal Accidents	1	1	1	1	1	1	1	1	1	1	1	1	-	1
	Number of Employes	427	391	193	325	364	253	73	20	92	119	246	183	340	3,310
	Aver- age Days Worked	176	225	196	242	241	231	196	196	252	209	303	219	237	234
	Other	ı	ı	33,375	ı	106,450	41,675	ı	ı	1	14,508	18,026	1	341,996	556,030
EXPLOSIVES	Dynamite (Pounds used)	1	49,300	2,800	7,875	6,800	71,725	17,379	17,200	005,4	66,538	5,172,125	36,619	1,800,939	7,253,700
EXP	Anmonium Nitrate (Pounds used)	1	,				1	548,551	1,687,150	638,100	2,047,751	9,941,938	1,852,281	6,244,958	22,960,729
	Total :	557,951	363,612	202,207	186,858	311,587	279,774	137,337	98,432	134,257	241,222	1,314,250	315,172	692,459	4,835,118
	Used at Mine for steam and heat	ı	235	81	41	868	888	1	1	230	42	3,748	1,577	27	7,767
	Sold to local trade	34,190	8,877	5,420	7,033	35,448	43,362	182	54,284	3,280	49,026	77,808	75,511	92,986	487,407
PRODUCTION - NET TONS	By Truck :	368,326	139,647	187,202	150,439	232,159	159,414	137,155	24,054	115,387	150,801	539,275	113,710	327,398	2,644,967
PRODUCT	Shipped to Market By Railroad	155,435	214,853	9,504	29,345	43,082	76,110	1	20,094	15,360	41,353	693,419	124,374	272,048	1,694,977
	District	1	2	3	7	5	9	20	53	99	57	58	59	09	REGION TOTAL

SUMMARY OF EMPLOYES BY DISTRICT

## ANTHRACITE REGION--1979

Sintendents Office   Mashery   All Others   Outside   Institute   Institute		-	INSIDE EMPLOYES	Total	:Suber-	TUO	OUTSIDE EMPLOYES Breaker and	SS	Total	Total
8       -       356       63       427         3       4       203       123       333         2       -       101       26       129         9       1       257       39       306         2       1       257       39       306         5       -       154       33       192         6       -       -       40       50         7       -       -       40       50         8       -       -       40       50         9       -       -       40       50         10       -       -       475       546         11       -       -       475       546         12       -       -       475       546         12       -       -       111       183         12       -       -       111       183         12       -       -       111       183         12       -       -       311       340         130       -       -       1110       111         11       -       -       111	Foreman Miners Laborers All Others	Laborers	All Others	Inside:	intendents	Office	Washery	All Others	Outside :	Inside & Outside
3       4       203       123       333         2       -       101       26       129         9       1       257       39       306         2       -       154       33       192         5       -       154       33       192         10       -       -       40       50         10       -       -       40       50         25       -       -       94       119         26       -       -       94       119         29       -       -       94       1183         29       -       -       171       183         29       -       -       311       340				1	∞	1	356	63	427	427
2       101       26       129         9       1       257       39       306         1       154       33       192         2       1       33       36       72         10       -       -       40       50         10       -       -       40       50         2       -       -       67       76         25       -       -       94       119         12       -       -       475       546         12       -       -       171       183         29       -       -       311       340	18 30 9 1	9 1	1	58	е	4	203	123	333	391
9       1       257       39       306         1       154       33       192         2       1       33       36       72         5       -       -       40       50         10       -       -       40       50         9       -       -       67       76         25       -       -       94       119         12       -       -       475       546         12       -       -       171       183         29       -       -       311       340         190       6       1,104       1,516       2,816       3,	18 31 15 -	15 -		99	2	ı	101	26	129	193
5       -       154       33       192         2       1       33       36       72         5       -       -       38       43         10       -       -       40       50         25       -       -       67       76         25       -       -       94       119         71       -       -       475       546         12       -       -       171       183         29       -       -       311       340         190       6       1,104       1,516       2,816       3	8 7 3 1	3 1	1	19	6	1	257	39	306	325
2 1 33 36 72 5 38 43 10 40 50 25 67 76 27 76 28 94 119 29 94 119 21 475 546 21 12 171 183 29 311 340 39	32 92 42 6	42 6	9	172	50	,	154	33	192	364
5 38 43  10 40 50  9 67 76  25 94 119  71 67 76  71 171 183  29 171 183  29 311 340  190 6 1,104 1,516 2,816 3,	30 77 65 9		6	181	2	1	33	36	72	253
10 40 50 25 67 76 27		1	ı	1	2	1	1	38	43	43
25     -     -     67     76       25     -     -     94     119       71     -     -     475     546       12     -     -     171     183       29     -     -     311     340       190     6     1,104     1,516     2,816     3,	1	1	1	1	10	1	1	04	50	20
25 94 119 71 475 546 12 171 183 29 311 340 190 6 1,104 1,516 2,816 3,	1	1	1	1	6	1	1	29	76	76
71 475 546 12 171 183 29 311 340 190 6 1,104 1,516 2,816 3,		1	1	1	25	1	1	96	119	119
12 171 183 29 311 340 190 6 1,104 1,516 2,816 3,		1	1	1	71	1	ı	475	946	246
29 311 340 190 6 1,104 1,516 2,816 3,			1	1	12	ı	ı	171	183	183
190 6 1,104 1,516 2,816	1		1		29		1	311	340	340
	106 237 134 17		17	767	190	9	1,104	1,516	2,816	3,310

### ANTHRACITE REGION OPERATORS PRODUCING 25,000 OR MORE TONS 1979

District	Operator	Production	Employes
1,2,56,58	Jeddo-Highland Coal Company	648,626	439
4,58	Bethlehem Mines Corporation	467,513	378
2,3,4,57,59,60	Reading Anthracite Company	404,816	333
1,53,58	Beltrami Enterprises	239,359	127
5,6,60	Kocher Coal Company	221,180	228
1	Ken Pollock, Inc.	182,310	2
3,59	Kerris & Helfrick, Inc.	158,067	143
60	C-L-S Coal Company	150,366	25
3	Heckla Machinery & Equipment Co., Inc.	149,820	3
2	Gilberton Coal Company	140,492	53
50	Jones & Brague Mining Company	122,128	35
6,60	G.M.P. Land Company	113,121	72
2	B-D Mining Company	103,678	70
4,60	Schuylkill Contracting Company	100,400	30
56,57	N & L Coal Company	96,999	20
5	Keim & Tallman Coal Company	95,462	2
3,59	Rosini Coal Company	67,540	35
58	Tri-County Land & Coal Company	58,366	12
1,4	Premium Fine Coal Company	56,954	11
5	Bush Coal Company	50,999	52
57,58	Lehigh Valley Anthracite	41,690	46
4,5	Manbeck Dredging Company	38,382	19
57	B & C Coal Company	37,974	4
57	Gale Coal Company	36,479	20
4,57	Skytop Contracting Company, Inc.	36,187	15
60	K & K Coal Company	35,535	8
1,53,58	Kaminski Brothers, Inc.	35,118	16
1	Lattimer Associates, Ltd.	34,119	14
59	Split Vein Coal Company, Inc.	32,441	16
1,53	Silverbrook Anthracite, Inc.	30,374	18
1,53	Lucky Strike Coal Company	27,616	46
1	Popple Brothers	25,184	7
1,57	Gowen Coal Company	25,112	32

## ANTHRACITE FATAL ACCIDENT VICTIM

1979

		t Cause of Accident	
	Date of	Accident	12-29-79
		Mine	# 5 Vein, #2 Slope
		Address Company	D.R.Z. Coal Company
		Victim's Address	Marion Heights
		trict Name of Victim	Anthony Shalamanda
-	Dis-	trict	٣

CAUSE OF FATAL ACCIDENT BY COUNTY

1979

nse B	toof Fall
radford	1
Carbon	1
Columbia	ı
Dauphin	1
Bradford Carbon Columbia Dauphin Lackawanna )	ı
Luzerne	1
Luzerne Northumberland	1
Schuylkill Sullivan Total	,
Sullivan	
Total	1
Percent of Total Accident	100.00%

# ANTHRACITE ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED

1847---1979

				Location		Nimbor
Year	Date	Colliery	Company	of Colliery	Cause of Accident	Killed
1847	Feb.	Spencer	Spencer Coal Co.	Pottsville	Explosion of gas	7
1869	Sep. 6		Delaware, Lackawanna & Western Railroad Co.	Plymouth	Mine fire	110
1870	Mar. 22	Potts	Locust Dale Coal Co.	Locust Dale	Boiler Explosion	5
	Aug. 10	Heins & Glassmire	Heins & Glassmire	Middleport	Cage fell down shaft	6
	Aug. 29	Preston No. 3	Preston Coal & Improvement Co.	Girardville	Car fell down slope	7
1871	May 27	West Pittston	Lehigh Valley Railroad Co.	West Pittston	Suffocated by smoke	
			•		from burning breaker	20
	0ct. 2	Otto Red Ash	Cain, Hacker & Cook	Branch Dale	Explosion of gas	5
1873	June 10	Henry Clay	Langdon & Co., R.	Shamokin	Explosion of gas	10
1877	May 9	_	Wadesville Shaft Colliery	Wadesville	Explosion of gas	7
1878	Jan. 15	Potts	Philadelphia & Reading Coal & Iron Co.	Locust Dale	Explosion of gas	2
1879	May 6	Audenried	Lehigh & Wilkes-Barre Coal Co.	Audenried	Explosion of gas	9
	Nov. 2	Mill Creek	D. & H. Canal Co.	Mill Creek	Explosion of gas	2
1880	May 3	Lykens Valley	Short Mountain & Lehigh Valley Coal Co.	Shamokin	Explosion of gas	5
1882		Kohinoor	Heckscher & Co., R.	Shenandoah	Explosion of gas	5
1884	Aug. 21	. Buck Ridge	Philadelphia & Reading Coal & Iron Co.	Shamokin	Mine fire	7
1885	Apr. 6	Cuyler	Heaton & Co., S. M.	Raven Run	Fall of Roof	10
	Aug. 11	West End	West End Coal Co.	Mocanaqua	Suffocated by gas from boiler fire	10
	Oct. 21	Plymouth No. 2	D. & H. Coal Co.	Plymouth	Explosion of gas	9
	Dec. 18	Nanticoke No. 1	Susquehanna Coal Co.	Nanticoke	Inrush of quicksand	26
1886	Aug. 30	Fair Lawn	Fair Lawn Coal Co.	Scranton	Explosion of gas	9
	Sep. 13	Marvine	D. & H. Coal Co.	Scranton	Suffocated by gas	00
	Nov. 26	Conyngham	D. & H. Coal Co.	Wilkes-Barre	Explosion of gas	12
1887	Apr. 27	Tunnel	Philadelphia & Reading Coal & Iron Co.	Ashland	Suffocated by gas	5
	Oct. 1	Bast	Philadelphia & Reading Coal & Iron Co.	Big Mine Run	Explosion of gas	5
1889	May 9	Kaska, William	L. C. & N. Co.	Middleport	Car fell on cage in shaft	10
1890	Feb. 1		Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	00
	Mar. 3	S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	00
	Apr. 2	Susquehanna No. 4	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5
	May 15		Lehigh & Wilkes-Barre Coal Co.	Ashley	Explosion of gas	56
1891	Feb. 4		Spring Mountain Coal Co.	Jeanesville	Drowned-water from old workings	13
	Oct. 23	Richardson	Philadelphia & Reading Coal & Iron Co.	Glen Carbon	Suffocated by gas	7
	Nov. 8	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	12
1892		) Lytle	Lytle Coal Co.	Minersville	Drowned-water from old workings	10
	July 23	Vork Farm	Lehigh Valley Coal Co.	Pottsville	Explosion of gas	15
1893	Apr. 1	Neilson Susquehanna No. 1	Langdon & Co., Inc., A. L.	Shamokin Nanticoke	Mine fire Explosion of gas	20
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				Location		Number
Year	Date	Colliery	Company	of Colliery		Killed
1893	Sep.	Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	9
1894		3 Gaylord	Kingston Coal Co.	Plymouth	Fall of Roof	13
	July 17	7 East Sugar Loaf	Linderman & Skeer	Stockton	Explosion of powder & dynamite	∞
	Oct. 8	3 Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Mine fire	2
	Oct. 11	-	Philadelphia & Reading Coal & Iron Co.	Shamokin	Boiler explosion	9
1895	Feb.		Philadelphia & Reading Coal & Iron Co.	Mahanoy Plane	Explosion of gas	2
	Oct.		Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	7
1896		3 Twin	Newton Coal Co.	Pittston	Fall of Roof	28
	Oct.		Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	9
1897		Wadesville	Philadelphia & Reading Coal & Iron Co.	Wadesville	Crosshead fell down shaft	2
			Jermyn & Co.	Rendham	Mine fire	2
			D. & H. Coal Co.	Scranton	Mine fire	9
1898	Mav		Dodson Coal Co.	Middleport	Drowned-water from old workings	9
		Midvale	Lehigh Valley Coal Co.	Wilkes-Barre	Mine fire	2
	Nov. 5		Lehigh Valley Coal Co.	West Pittston	Car fell on cage in shaft	6
1900	Nov. 9		Mill Creek Coal Co.	Mahanoy City	Explosion of gas	7
1901	2		Parrish Coal Co.	Plymouth	Explosion of gas	9
1902			Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	7
			Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	2
1904	(4)		Philadelphia & Reading Coal & Iron Co.	Mahanoy City	Explosion of powder & dynamite	2
			Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of powder & dynamite	2
			Philadelphia & Reading Coal & Iron Co.	Locust Gap	Mine fire	2
	May 25		Summit Branch Mining Co.	Williamstown	Suffocated by gas from mine locomotive 10	ive 10
	_	Auchincloss	Delaware, Lackawanna & Western Railroad Co.	Nanticoke	Falling down shaft	10
1905	Feb. 18	lytle Lytle	Lytle Coal Co.	Minersville	Fall of Roof	2
		_	Clear Spring Coal Co.	West Pittston	Falling down shaft	7
	Apr. 26		D. & H. Coal Co.	Wilkes-Barre	Falling down shaft	10
1906			Philadelphia & Reading Coal & Iron Co.	Shenandoah	Explosion of powder & dynamite	7
	Aug. 6	Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	9
1907	Mar. 2	Holden	Delaware, Lackawanna & Western Railroad Co.	Taylor	Explosion of gas	7
1908	_	Johnson No. 1	Scranton Coal Co.	Priceburg	Explosion of gas	7
	May 12	Mount Lookout	Temple Iron Co.	Wyoming	Explosion of gas	12
	May 13	Prospect	Lehigh Valley Coal Co.	Midvale	Fall of Roof	2
	July 15	Williamstown	Summit Branch Mining Co.	Williamstown	Explosion of powder & dynamite	9
	Aug. 28		Lehigh Valley Coal Co.	Wilkes-Barre	Mine cars	9
1909	Mar. 2	Pennsylvania No. 14	Pennsylvania Coal Co.	Pittston	Explosion of gas	00
	Nov. 9		Glen Alden Coal Co.	Nanticoke	Mine fire	6
1910	.Ian. 11	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	7
	Mar. 12		Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	7
1911			Price-Pancoast Coal Co.	Throop	Mine fire	72
	May 10	Plymouth No. 5	Delaware & Hudson Co.	Dorrancetown	Suffocated by gas from underground	t
					fire	Λ L
	May 27	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	0

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Year	Date				Location		Number
1011	,		Colliery	Company	of Colliery	Cause of Accident	Killed
	Sen	12	Maryine	Delaware & Hudson Co.	Scranton	Mine Cars	15
1767	odac o		;	Detail of the control			, 0
	OCT.	2	Drifton No. 2	coxe pros. co., the.	Licetailu	Caverill	1
1912	Jan.	6	Parrish	Parrish Coal Co.	Plymouth	Explosion of gas	٥
1913	Aug.	2	East Brookside	Philadelphia & Reading Coal & Iron Co.	Tower City	Explosion of gas	20
1914	May	29	Maryd	Maryd Coal Co.	Maryd	Overwinding of cage	9
	Sen	16	Lehigh No. 4	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	7
	Dec		Diamond	Delaware, Lackawanna & Western Railroad Co.	Scranton	Falling down shaft	13
1015	100	-	Drogon	Tobiah Vallaw Coal Co	Wilkes-Barre	Explosion of eas	13
1915	ren.	-	Frospect	T-Little Valley Coal Co	D1-month	Englished of Sto	} [
1916	Feb.			Lenign & Wilkes-Barre Coal Co.	FISMOUCH	Explosion of gas	•
	Mar.	6	Hollenback No. 2	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	9
	Aug.	œ	Woodward	Delaware, Lackawanna & Western Railroad Co.	Edwardsville	Explosion of gas	9
1919	Time		Baltimore Tunnel	Hudson Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	92
1	T., 1.		Lanoford	Lebiob Coal & Navigation Co.	T,ansford	Explosion of gas	80
	July		railstora	reliagii coar a navagation co.	deligione d	Englished of Sec	) 11
1921	Mar.	5	Kahn	Lenigh Coal & Navigation Co.	Seek	Explosion of gas	7 (
1922	Nov.	e	Eddy Creek	Hudson Coal Co.	Scranton	Premature blast	0
1923	Feb.	21	Alliance	Alliance Coal Mining Co.	Middleport	Explosion of gas	5
	June	56	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	īΛ
	Dec.		Mount Jessup No. 2	Mount Jessup Coal Co.	Jessup	Fall of Roof	5
1007	1:12			Clan Alden Coal Co	Nanticoke	Explosion of gas	14
1001	Morre	٠	Loomis	Clen Alden Coal Co	Edwardswille	Explosion of eas	7
1777	rich y	77	WOOdwald	stell Attell Coat Co.	THE THE PERSON		- 01
	Aug.	m	Dorrance	Lehigh Valley Coal Co.	Wilkes-barre	Explosion of gas	1
1926	May	9	Randolph	So. Penn Collieries Co.	Port Carbon	Explosion of gas	Λ I
	July	n	Pettebone	Glen Alden Coal Co.	Kingston	Explosion of gas	7
	Oct.	30	Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	6
1927	May	96	Woodward	Glen Alden Coal Co.	Edwardsville	Fall of Roof, followed by an	
		1				explosion of gas	7
0001	Moss	20	Dolttmore No 5	Undean Coal Co	Wilkes-Barre	Explosion of eas	10
070	rid y	7 0		Distribution of Decision Conf. S. Tenn. Co.	C41borton	Fall of Roof	00
1930	Aug.		Gilberton	rilladelphia & Reading Coal & Iron Co.	GITDEL COII	Tail of Mot	ט ע
1931	May	29	Richards	Susquehanna Collieries Co.	Mount Carmer	Explosion of gas	ר ני
1935	Jan.	21	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Explosion of gas	13
	May	7	S. Wilkes-Barre	Glen Alden Coal Co.	Wilkes-Barre	Piece of rock fell down shaft,	
	,					struck cage	7
1936	Α110	76	Clear Spring	Sullivan Trail Coal Co.	West Pittston	Explosion of gas	5
0000	0 0 0		01040		St Clair	Explosion of gas	80
220	upr.		TI-1-	II-1 - M-1- Oar Oc	Dittoton Tem	Explosion of gas	10
	June		volpe	volpe mining co.	FILLSCOIL IMP.	Distribution of Sec	7.
1943	Sep.		Primrose	M. & S. Coal Co.	Minersville	Explosion or gas	† .
1947	Jan.	15	Nottingham	Glen Alden Coal Co.	Wilkes-Barre	Explosion of gas	T
	Apr.	10	Schoolev	Knox Coal Co.	Exeter Boro.	Explosion of gas	10
	Dec.	11	Franklin	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	80
1951	Mar		Buttonwood	Glen Alden Coal Co.	Hanover Twp.	Explosion of gas	5
1050	Mark		Holmes Clone	Cano S. Martin Inc	Forrestville	Drown-blast blew through to old	
7777	rigit.		no mies stope	Callo & Marchi, Tile.		workings	5
1050	102	23	i constant	00 1000 000	Port Griffith	Drown - river broke into mine	12
6667			TAMOII .	MICA COST CO.		Tassioh of traffor	6
1977	Mar.	-	Porter Tunnel	Kocher Coal Co.	lower city	TITTOSI OF MACCI	

YEAR	R CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHIIVI.KTI.I.	SILLIVAN	SIISOIIE	LIAVNE	DIVICTON
1924	4 2,654,820	1,044,724	1,113,048	20,392,400	34,711,150	7,207,553	19,238,222	214.773	655,000	45.759	87 277 449
1930		685,253	867,363	15,312,853	27,456,102	6,749,282	15,673,224	64,071	91,296	122,981	68.776.559
1935		824,803	549,467	10,437,254	21,059,166	5,469,278	10,761,971	179,134	216,010	159,010	51,359,111
1936		1,546,144	400,758	11,154,691	21,315,049	5,208,201	12,333,446	213,847	19,169	198,914	54, 264, 016
1937		1,251,044	484,403	9,117,509	22,487,109	4,604,212	11,461,545	99,879	15,339	102,858	51,700,296
1938		1,157,913	425,871	8,439,828	20,365,737	4,090,787	9,774,216 a	49,383	7,030	10,975	46,269,511
1939		964,346	476,960	9,198,552	23,377,666	4,815,235	9,885,719 b	36,684	124,791	5,602	51,399,707
1940		1,026,366	505,558	9,259,463	22,672,016	7,499,464	11,242,175 c	50,844	86,149	9,071	51,526,454
1941		1,067,473	345,545	8,973,827	24,316,481	4,934,077	11,822,153 d	49,179	21,686	10,015	53,942,177
1942		998,124	57,479	9,344,388	25,767,343	5,295,913	13,520,462 e	49,113	62,761	47.248	57,939,629
1943		861,015	229,826	9,149,647	24,082,663	5,463,150	17,396,092 f	101,977	73,037	3,484	60,511,730
1944		1,147,941	299,349	9,427,467	24,810,042	5,743,444	18,834,594 g	147,756	46,216	10,903	64,112,589
1945		1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007	66,452	*	55,901,235
1946		1,457,754	141,800	9,058,331	22,770,658	6,342,793	18,811,399	105,862	123,908	*	61,978,710
1947		1,507,884	28,731	8,538,164	21,990,960	6,779,549	16,259,688	46,785	142,415		58,227,985
1948		1,679,495	10,254	8,610,881	21,591,846	6,937,340	17,275,544 1	63,230	138,327		59,108,810
1949		1,380,732	61,389	6,221,743	15,989,846	5,200,490	13,538,194 j	23,585	167,457	1	44,710,118
1950	0 1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	26,690	73,143	1	46,339,255
1951		985,177	30,133	5,775,808	14,882,432	5,749,967	13,021,079 m	28,762	21,662	1	42,389,055
Total 1952		760,695	898	5,303,545	13,774,952	5,326,146	12,977,572 n	24,055	. '	1	40,067,130
		745,649	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085	,	1	30,495,391
Lon		568,733	52,281	2,903,470	10,675,181	3,283,315	7,836,675	20,238	,	1	26,612,312
	#	639,990	212,239	2,594,928	9,921,275	2,749,383	8,057,660 p	9,625	,	1	25,934,792
Tons) 1956		841,201	254,495	3,232,566	9,762,753	3,524,853	8,801,402 q	5,715	1	6,361	28,175,633
1957	1,	850,479	195,499	2,680,409	8,389,265	3,415,614	8,518,317 r	6,841	1		25,163,466
1958		888,009	123,861	2,094,170	6,774,033	2,600,831	7,307,839 s	15,173	1,680	27,683	20,456,474
1959		692,224	142,720	2,147,827	6,172,748	2,551,604	7,432,081 t	8,052		5,107	19,670,615
1960		474,234	129,002	1,853,008	5,380,696	2,414,599	6,933,916 u	13,828	629	1,568	17,721,113
1961		464,421	108,542	1,194,971	5,307,953	2,004,278	6,827,844 v	16,534	1,645	1,318	16,506,612
1962		411,185	110,384	1,079,459	6,090,572	1,702,891	6,583,012 w	10,786	9,512	589	16,496,315
1963	3 727,445	442,749	230,324	964,475	6,412,375	2,082,968	6,531,130 x	8,729		8,007	17,411,202
1964		910,704	237,555	84,848	5,649,906	2,267,083	6,011,519 y	15,081		1,499	16,524,687
1965		416,272	196,495	660,558	5,346,676	1,600,886	5,538,420 z	23,096	2,395	193	14,229,817
1966		299,622	167,568	501,187	4,478,217	1,431,414	4,624,032 aa	20,474	1,137	1	12,031,375
1967		507,236	162,213	431,073	4,192,283	1,417,420	4,261,992 bb	34,766	369	,	11,552,441
1968		309,860	122,743	558,459	3,476,065	1,680,202	4,297,648	37,159	6,589		11,025,482
1969		327,999	52,613	441,475	3,360,976	1,309,666	4,133,984	40,808	1,125	1	10,165,805
1970		389,255	85,958	402,420	2,719,940	1,025,830	4,043,335	115,914	1	1	9,248,011
1971		232,698	45,400	397,957	2,598,269	894,465	3,569,335	125,913	117	1	8,187,961
1972	2 172,217	128,798	47,040	282,737	2,022,194	957,087	2,786,598	65,422	1	1	6,462,093
1973	3 98,164	10,565	36,652	214,460	1,960,579	955,362	2,975,474	38,130	3,627	,	6,293,013

204,151 57,158 12,101 123,227 1,023,149 1,044,012 3,102,166 37,473 2,103,174 2,103,174 2,103,174 2,103,174 2,103,174 2,103 2,103,174 2,103 2,1		YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
1976   25,535   45,833   25,118   100,422   1,699,404   716,997   2,666,600   57,133   2,366   1,199		1974	204,516	37,975	73,103	133,287	1,453,190	1,044,012	3,102,366	34,691	7,281	1	6,090,42
175   175	Total	1975	95,263	45,833	25,118	202,320	1,690,049	790,973	2,750,777	28,408		1	5,628,741
1979   14,7719   15,477   21,529   104,1896   1,203,437   26,678   27,547,616   190,329   de   -	Pro-	1976	255,955	67,588	25,252	105,428	1,414,307	716,907	2,646,600	57,353	2,386	1	5,291,776
1978   87,682   136,735   22,895   99,439   1,138,836   663,436   2,547,616   190,339   49       1979   87,682   136,735   22,895   99,439   1,138,836   663,436   2,547,616   190,339   49       1924   4,776   2,213   2,043   31,846   63,008   1,134   31,622   31,737   64,915   1,134   4,457   1,134   31,622   31,737   64,915   1,134   4,426   1,244   1,242   1,244   1,244   1,242   1,244   1,242   1,244   1,242   1,244   1	duction		147,719	51,417	21,229	141,896	1,203,768	739,437	2,676,827			1	5,060,689
1979   87,682   136,236   33,733   39,608   1,1215,583   566,220   2,608,804   137,337 ee 9,915   - 4, 4, 4, 4, 4, 776   1,573   2,043   39,846   63,308   14,660   37,672   708   1,178   99   4, 4, 4, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	(Net	1978	128,671	57,375	29,895	80,439	1,318,836	683,436	2,547,616			1	2,036,807
1924	Tons)	1979	87,682	136,236	33,733	39,608	1,215,583	566,220	2,608,804			ı	4,835,118
1924													
1930   4,716   1,757   2,016   36,317   0,1114   1,1354   33,062   3684   457   224   1935   4,715   1,697   1988   1996   4,745   7,525   19,195   596   403   225   19,195   4,713   1,943   19,188   4,713   1,943   19,188   4,713   1,943   19,188   4,713   1,943   19,188   4,714   1,943   19,188   4,714   1,943   1,943   1,943   1,943   19,002   19,		1924	4,776	2,213	2,043	35,846	63,308	14,660	37,672	708	1,178	66	162,503
1935   4,935   1,334   1,012   20,889   44,454   7,757   19,1597   596   611   273   225   1936   4,481   4,481   4,481   19,159   19,002   44,482   19,159   19,002   4,261   19,159		1930	4,216	1,757	2,016	36,317	61,114	11,354	33,082	584	457	274	151,171
1936   5,517   1,697   888   19,607   44,444   7,525   19,189   611   529   529   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,282   19,189   64,444   19,189		1935	4,935	1,324	1,012	20,889	43,701	7,757	19,697	596	403	225	100,539
1937         4, 282         1,871         19,18         45,735         7,489         19,002         426         158         69           1939         4,712         1,951         1943         19,481         19,51         1,489         1,51         1,666         10,66		1936	5,517	1,697	888	19,607	44,454	7,525	19,159	611	27	219	99,704
1938         4,713         1,951         918         17,815         45,734         7,473         16,655 a         290         42         20           1936         4,666         1,943         904         17,835         45,344         7,475         16,605 a         290         42         20           1940         4,446         1,644         867         16,660         43,244         7,377         16,436         187         14,446         144         144         144         1446         1,649         87         14,438         35,120         16,438         16,436         16,436         187         16,436         187         16,436         187         16,436         187         16,436         187         16,436         187         16,436         187         18<		1937	4,282	1,871	877	19,188	45,755	7,489	19,002	426	158	69	99,117
1939         4,686         1,943         904         17,875         4,3344         7,637         16,946 b         215         255         19           1940         4,466         1,646         867         16,860         43,288         7,334         7,637         16,945 c         114         36         16           1942         4,446         1,486         553         16,986         39,219         6,498         16,035 c         114         36         43           1942         4,446         1,316         130         11,366         38         11,328         16,498		1938	4,713	1,951	918	17,818	45,731	7,473	18,065 a	290	42	20	97,021
1940   4,376   1,664   867   16,860   43,218   7,397   16,039 c   187   145   17   1489   14,974   43,218   7,397   16,039 c   187   14,974   14,		1939	4,686	1,943	906	17,875	43,344	7,637	16,494 b	215	235	19	93,352
1941         4,446         1,489         587         14,974         43,756         6,815         16,615 d         1444         37         16           1942         4,433         1,316         153         14,986         553         14,986         35,309         6,638         16,615 d         1044         14           1944         4,937         1,316         130         13,064         35,807         16,925 e         104         14         4           1944         4,930         1,316         130         12,344         33,860         6,498         16,925 e         104         14         1           1946         4,599         1,104         32,886         6,498         16,104         4,1         4 <td< td=""><td></td><td>1940</td><td>4,376</td><td>1,664</td><td>867</td><td>16,860</td><td>43,238</td><td>7,397</td><td>16,039 c</td><td>187</td><td>145</td><td>17</td><td>90,790</td></td<>		1940	4,376	1,664	867	16,860	43,238	7,397	16,039 c	187	145	17	90,790
1922         4,433         1,466         553         14,388         39,219         6,488         16,945 e         104         38         43           1942         4,433         1,146         13,064         31,064         39,219         6,485         16,945 e         104         34           1944         4,937         1,711         149         12,344         33,660         6,493         18,022 f         164         34           1945         4,588         1,794         195         11,400         34,886         6,437         10,127 h         20,72         20,127 h         20,72         20,72         20,127 h         20,72         20,127 h         20,72         20,127 h         20,127 h <th< td=""><td></td><td>1941</td><td>977,7</td><td>1,489</td><td>587</td><td>14,974</td><td>43,726</td><td>6,815</td><td>16,615 d</td><td>144</td><td>37</td><td>16</td><td>88,849</td></th<>		1941	977,7	1,489	587	14,974	43,726	6,815	16,615 d	144	37	16	88,849
1943         4,337         1,316         130 dd         15,664         35,807         6,485         186,02 f         164         14         *           1944         4,940         1,711         149         12,344         33,660         6,485         16,712 g         11         4           1946         4,589         1,594         11,400         32,888         5,877         19,127 g         201         2         8           1946         4,589         1,594         156         12,381         32,888         5,877         19,127 g         20,7         2         1         4         1         4         8         1         4         8         1         4         8         1         4         1         4         8         1         4         8         1         4         8         1         4         8         1         4         4         8         1         4         8         1         4         8         1         4         8         1         4         8         1         4         8         1         4         8         1         8         1         4         8         1         8         1		1942	4,433	1,486	553	14,388	39,219	96,498	16,945 e	104	38	43	83,707
1944         4, 940         1,711         149         12,344         33,660         6,409         18,721 g         211         *         *           1945         4,598         2,182         19,24         19,24         19,54         19,54         19,54         19,54         19,127 h         201         29         * </td <td></td> <td>1943</td> <td>4,337</td> <td>1,316</td> <td>130</td> <td>13,064</td> <td>35,807</td> <td>6,485</td> <td>18,052 f</td> <td>164</td> <td>14</td> <td>*</td> <td>79,369</td>		1943	4,337	1,316	130	13,064	35,807	6,485	18,052 f	164	14	*	79,369
1945         4,588         1,954         1954         1954         1954         1954         1954         207         20 </td <td></td> <td>1944</td> <td>4,940</td> <td>1,711</td> <td>149</td> <td>12,344</td> <td>33,660</td> <td>604,9</td> <td>18,721 g</td> <td>211</td> <td>ĸ</td> <td>*</td> <td>78,145</td>		1944	4,940	1,711	149	12,344	33,660	604,9	18,721 g	211	ĸ	*	78,145
1946         4,599         2,162         300         12,010         34,526         6,124         20,613         181         41         *           1947         4,681         2,319         152         12,381         34,586         6,636         20,632         127         53         *           1948         4,687         1,981         1,962         6,316         20,523         127         53         *           1948         4,687         1,760         83         11,702         35,040         6,039         20,447         104         44         *           1949         4,420         1,760         183         11,702         35,176         5,583         10,473         104         44         *           1951         3,872         1,496         153         10,410         30,596         5,583         17,910         44         *           1952         2,279         1,436         10,410         30,596         5,583         17,910         44         *           1953         2,979         1,450         1,450         1,471         20,440         1,147         0         1,472         0         4,490         15,116         0         1 <td></td> <td>1945</td> <td>4,588</td> <td>1,954</td> <td>195</td> <td>11,400</td> <td>32,888</td> <td>5,877</td> <td>19,127 h</td> <td>207</td> <td>29</td> <td>×</td> <td>76,265</td>		1945	4,588	1,954	195	11,400	32,888	5,877	19,127 h	207	29	×	76,265
1947         4,891         2,319         152         12,381         33,869         6,656         20,302         127         53         *           1948         4,423         1,963         61         12,222         34,282         6,521         20,302         127         53         *           1948         4,420         1,760         83         11,702         35,404         6,003         20,647         104         44         *           1950         3,739         1,765         125         11,005         33,176         5,822         19,458         101         70         *           1951         3,739         1,795         16         9,717         28,512         5,832         19,458         101         70         *           1952         2,987         1,298         71         8,496         23,974         4,949         15,116         061         0		1946	4,599	2,162	300	12,010	34,526	6,124	20,613	181	41	*	80,556
1948   4,637   1,963   61   12,222   34,282   6,521   140   44   44   44   44   44   44		1947	4,891	2,319	152	12,381	33,869	6,636	20,302	127	53	*	80,730
1949   4,420   1,760   83   11,702   35,040   6,009   20,047 j   104   44   **   **   11,005   1,760		1948	4,637	1,963	61	12,222	34,282	6,521	20,523 1	140	41	*	80,390
1950         3,739         1,705         125         11,005         33,176         5,852         19,458 k         101         70         *           1951         3,872         1,496         153         10,410         30,966         5,883         18,159 m         79         9         *           1952         3,872         1,296         4,0         9,717         28,512         5,583         18,159 m         79         9         *           1953         2,987         1,298         7         4,964         23,974         4,949         15,116         61         -         -           1954         2,483         1,298         7         7         7,074         17,202         4,990         12,447         106         -	Em-	1949	4,420	1,760	83	11,702	35,040	6,009	20,047 j	104	77	*	79,209
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ployes	1950	3,739	1,705	125	11,005	33,176	5,852	19,458 k	101	70	*	75,231
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1951	3,872	1,496	153	10,410	30,596	5,583	18,159 m	79	6	*	70,357
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1952	3,279	1,352	40	9,717	28,512	5,538	17,937 n	63	1	1	66,438
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1953	2,987	1,298	7.1	8,496	23,974	6,949	15,116 0	19	1	,	56,952
# 2,197 1,121 203 4,954 14,399 4,380 10,123 p 20 8 2,092 1,144 210 4,415 14,218 3,169 9,806 q 7 8 1,837 1,064 167 3,448 9,642 3,239 8,512 s 25 3 18 15,83 208 3,248 8,397 2,887 7,923 t 22 - 4 10 15,83 208 2,937 6,002 2,817 6,928 u 21 15,84 4,16 201 2,167 5,126 2,889 5,988 u 13 2 6 15,84 5,49 x 1,064 188 1,171 4,538 1,944 5,497 x 13 - 14 15,83 384 218 1,171 4,58 1,194 6,483 y 19 - 5 15,18 5,49 x 1,194 6,483 y 19 - 5 15,18 1,19 1 1,171 1,147		1954	2,483	957	72	7,074	17,202	4,090	12,747	106	1	1	44,731
2,092         1,104         210         4,415         14,218         3,169         9,806 q         7         -         8           1,832         1,143         191         4,309         12,442         3,239         9,444 r         7         -         -           837         1,064         167         3,448         9,642         3,239         8,447 r         7         -         -         -           613         853         208         3,235         8,397         2,857         7,923 t         25         -         4         4           759         583         208         2,937         6,002         2,817         6,928 u         21         4         10           349         416         201         2,167         5,126         2,889         5,988 v         16         3         6           387         366         187         1,523         4,626         1,994         5,497 x         13         -         14           500         288         159         9,24         4,367 x         17         -         -         5           211         158         1,17         4,538         1,348         4,367 x			2,197	1,121	203	4,954	14,399	4,380	10,123 p	20	1	1	37,397
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1956	2,092	1,104	210	4,415	14,218	3,169	9,806 q	7	1	00	35,029
837         1,064         167         3,448         9,642         3,022         8,512 s         25         3         18           613         853         208         3,235         8,397         2,857         7,923 t         2         3         18           759         613         2,135         8,397         2,817         6,928 u         21         4         10           349         416         201         2,167         5,126         2,689         5,998 v         16         3         6           339         387         223         1,523         4,558         2,115         5,538 w         13         2         6           334         549         188         1,171         4,538         1,948         4,832 y         19         -         5           200         288         159         992         4,167         1,134         4,332 y         19         -         5           21         240         90         475         3,021         866         2,892 bb         15         -         -		1957	1,892	1,143	191	4,309	12,442	3,239	9,544 r	7	1	1	32,767
613 853 208 3,235 8,397 2,857 7,923 t 22 - 4 7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1958	. 837	1,064	167	3,448	9,642	3,022	8,512 s	25	e	18	26,738
759         583         208         2,937         6,002         2,817         6,928 u         21         4         10           349         416         201         2,167         5,126         2,889         5,988 v         16         3         6           339         387         223         1,523         4,526         1,994         5,497 x         13         2         6           334         549         188         1,171         4,538         1,948         4,832 y         19         -         5           200         288         159         992         4,167         4,363 z         17         3         3         6           211         3,428         1,37         4,367         1,312         3,437 aa         15         5         -           224         240         90         475         3,021         866         2,892 bb         15         5         -		1959	613	853	208	3,235	8,397	2,857	7,923 t	22	1	4	24,112
349         416         201         2,167         5,126         2,689         5,998 v         16         3         6           339         387         223         1,523         4,558         2,115         5,538 w         13         6         6           387         366         187         1,239         4,656         1,994         5,497 x         13         -         14           200         288         1,171         4,538         1,948         4,832 y         19         -         5           201         288         159         992         4,167         1,1647         4,363 z         17         3         3           21         158         117         915         3,428         1,312         3,437 aa         15         3           224         240         90         475         3,021         866         2,892 bb         15         5         -		1960	759	583	208	2,937	6,002	2,817	6,928 u	21	4	10	20,269
339         387         223         1,523         4,558         2,115         5,538 w         13         2         6           387         366         187         1,239         4,626         1,994         5,497 x         13         -         14           334         549         188         1,171         4,538         1,948         4,832 y         19         -         5           200         288         159         992         4,167         1,647         4,333 z         17         3           231         158         117         915         3,428         1,312         3,437 aa         15         5         3           224         240         90         475         3,021         866         2,892 bb         15         5         -		1961	349	416	201	2,167	5,126	2,689	2,998 v	16	3	9	16,971
387         366         187         1,239         4,626         1,994         5,497 x         13         -         14           334         549         188         1,171         4,538         1,948         4,832 y         19         -         5           200         288         159         992         4,167         4,4367 z         17         3         3           231         158         117         915         3,428         1,312         3,437 aa         15         3           224         240         90         475         3,021         866         2,892 bb         15         5         -		1962	339	387	223	1,523	4,558	2,115	5,538 w	13	2	9	14,704
334 549 188 1,171 4,538 1,948 4,832 y 19 - 5 5 200 288 159 952 4,167 1,647 4,363 z 17 3 3 3 1		1963	387	366	187	1,239	4,626	1,994	5,497 x	13	'	14	14,323
200 288 159 992 4,167 1,647 4,363 z 17 3 3 3 2 23 158 117 915 3,428 1,312 3,437 aa 15 5 3 3 224 240 90 475 3,021 866 2,892 bb 15 5 -		1964	334	549	188	1,171	4,538	1,948	4,832 y	19	1	5	13,584
231 158 117 915 3,428 1,312 3,437 aa 15 5 3 224 240 90 475 3,021 866 2,892 bb 15 5 -		1965	200	288	159	992	4,167	1,647	4,363 z	17	e	m	11,839
224 240 90 475 3,021 866 2,892 bb 15 5 -		1966	231	158	117	915	3,428	1,312		15	2	0	9,621
		1961	224	240	06	475	3,021	998		15	2	1	7,828

2,646 2,617 2,534 1,941 1,941 1,942 1,942 1,942 2,045 2,048 2,048 2,046 2,046 3,570,398 3,570,398 3,570,398 3,570,398 3,570,398 3,570,398 3,570,398 3,570,398 3,605,419 4,783,602 4,783,602 5,125,602 6,438,993 6,403,865 1,783,602 1,783,783 1,783,78		YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB'D	SCHUYLKILL	SULLIVAN	SHSOIF	WAYNE	NOTSTATA
1970   229   1154   20   20   20   20   20   20   20   2		1968	198	188	77	421	2 366	765	979 6	15			6 6 8 9
1970   289   155   77   197   273   173   174   174   174   174   174   175		1969	283	154	80	410	2,025	908	2,040	25	0	ı	200,0
1970   287   1150   67   257   1,401   4,93   4,51   1,941		1000	007	1 7	3 8	011	7,0,7	200	2,017	07	0		104,0
1971   1287   1287   116   00   323   1,799   6659   1,944   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,945   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946   1,944   1,946		19/0	667	TOO	1/	3/0	2,038	/31	2,591	36	•		6,286
1972         446         59         47         284         1,401         473         1,941           1973         69         39         446         259         1,149         471         1,189           1974         69         39         446         239         1,149         471         1,189           1975         61         39         446         239         1,149         471         1,189           1975         65         34         31         113         682         501         2,084           1977         55         76         34         113         682         501         2,084           1978         56         34         35         36         478         88         2,008           1979         27         462         36,32         1,1094,203         4,008,190         10,114,488         4,438         1,104,488         1,104,498         4,430,408         3,100,32         4,438         1,104,498         4,430,408         3,500,388         1,104,498         4,430,408         1,104,408         4,430,408         1,104,408         1,104,408         1,104,408         1,104,408         1,104,408         1,104,408         1,104,408         1,10		1971	287	116	09	323	1,799	629	2,534	36	2	,	5,816
1973         44         24         50         253         1,43         471         1,882           1974         63         88         47         11,13         44         50         21,16           1975         63         88         37         1,11         884         571         2,106           1976         61         88         37         111         884         571         2,106           1976         65         34         113         682         501         2,106           1977         55         77         34         113         682         504         2,004           1978         57         68         34         110         682         504         2,008           1930         723,586         408,917         566,332         7,004,203         3,010,002         3,010,002         8,52,008           1930         722,560         376,747         1,14,498         4,301,651         7,904,203         1,004,303         1,001,002         1,14,902         8,52,008           1930         781,486         376,747         1,14,498         4,301,651         7,904,003         3,101,003         1,14,406         1,100,002		1972	150	95	47	284	1,401	493	1,941	20	ı	,	4,431
1974         69         39         44         239         1/49         451         1/49         451         1/49         451         1/49         451         1/49         451         1/49         451         2,048         501         2,048         1/48         501         2,048         1/48         1/49         501         2,048         1/48         2,048         1/49         2,048         1/49         2,048         2,048         1/49         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         2,048         3,048	Em-	1973	77	24	20	251	1.343	472	1.842	21	9	•	4 053
1975   613   88   37   111   864   507   2,146   1976   619   619   62   643	nloves		69	39	77	239	1 149	451	1 807	1,1	17		2 831
1976   51	20 60-4		63	88	37	111	700	703	2,000	31	4		0,00
1970         51         36         85         504         2,045           1978         55         7         34         183         673         489         2,044           1978         55         7         5         34         57         663         489         2,044           1979         2         91         35         34         57         664         4,008, 190         2,004           1974         1,325,996         498,917         566,352         9,879,932         17,094,203         4,008,190         10,214,942         6,65,357         100,032		1010		0 6	2	111	1000	100	2,140	10	0	•	2,01/
1977         55         75         34         113         682         504         2,098           1978         55         49         35         65         498         2,004         2,008           1979         27         65         34         113         662         498         2,004         2,008           1979         27         57         515         517,044         2,008         2,004         2,008           1924         1,325,906         498,917         566,352         9,879,332         17,044,203         16,010         2,000         36,579         36,576         36,010         36,010         36,010         36,010         36,482,976         36,60,363         36,010         36		19/6	19	76	38	85	08/	105	2,045	33	9	•	3,641
1978         93         65         34         57         673         459         2,004           1978         27         91         35         57         624         438         2,008           1979         27         468,917         566,352         9,879,932         17,094,203         4,008,190         10,214,942         85,5           1930         737,462         118,122         195,668         4,301,631         1,094,203         1,724,402         15,1398         83,4           1936         771,462         118,122         195,668         4,301,631         1,001,002         6,483,976         38,4           1936         772,466         116,737         3,564,769         8,680,115         1,995,220         3,010,002         3,039,100         20,4           1937         781,610         115,334         3,564,769         8,680,115         1,395,236         3,039,100         20,571         21,039,100         20,510         1,001,902         3,039,100         20,510         20,560,86         3,000,902         1,000,902         3,000,902         21,000,902         3,000,902         3,000,902         3,000,902         3,000,902         3,000,902         3,000,902         3,000,902         3,000,902         3,000,902 </td <td></td> <td>1977</td> <td>55</td> <td>75</td> <td>34</td> <td>113</td> <td>682</td> <td>504</td> <td>2,098</td> <td>42 C</td> <td>1</td> <td>,</td> <td>3,603</td>		1977	55	75	34	113	682	504	2,098	42 C	1	,	3,603
1979   27   27   21   256,352   9,879,932   17,044,203   4,008,190   10,214,942   85,5198   23,68,378   257,535   371,74   7,689,354   12,990,705   3,010,032   6,422,976   38,721,74   141,498   4,439,534   1,666,229   1,764,406   3,570,398   88,721,193   1,25,462   178,122   195,668   4,301,651   1,990,705   1,744,606   3,570,398   88,721,193   1,25,468   1,75,448   1,466,229   1,666,229   1,590,705   1,213,992,803   1,213,992   1,213,992,903   1,213,992   1,213,9		1978	93	65	34	57	673	687	2,004	57 44	1	•	3 7.72
1924         1,325,996         498,917         566,352         9,879,932         17,094,203         4,008,190         10,214,962           1930         738,578         27,535         31,794         7,689,334         12,090,705         3,010,032         6,482,976           1930         727,462         175,535         31,779         1,689,334         1,066,329         3,570,398           1931         725,560         37,774         141,498         4,439,859         8,048,873         1,666,329         3,570,398           1933         781,883         37,774         141,498         4,439,859         8,048,873         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,598,172         1,666,329         3,66		1979	27	91	35	36	624	887	2,008			•	3,435
1924         1,325,996         498,917         566,332         9,879,932         17,094,203         4,008,190         10,214,942           1930         728,578         257,535         377,794         7,689,354         12,990,705         3,010,032         6,482,976           1935         727,462         176,724         141,488         4,439,859         8,048,873         1,606,329         3,570,398           1937         725,560         378,726         176,737         3,564,769         8,600,115         1,395,236         3,406,303           1939         783,486         372,549         17,944         1,41,498         3,646,476         1,600,015         1,431,803         3,506,374           1940         783,486         37,254         3,64,769         8,600,115         1,395,236         3,406,303         3,506,410					1			3	2		,		
1930         738,578         27,535         311,794         7,689,354         12,990,705         3,010,032         6,422,976           1936         788,788         1727,462         177,122         16,668         4,301,651         7,899,403         1,724,406         3,570,398           1936         781,883         36,474         141,498         4,439,435         1,606,329         3,588,172         186,532         3,564,769         8,680,115         1,395,236         3,508,172         1999,160         3,581,779         1,606,323         3,588,108         3,584,172         1,606,323         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,108         3,588,109         3,588,108         3,588,109 <td< td=""><td></td><td>1924</td><td>1,325,996</td><td>498,917</td><td>566,352</td><td>9,879,932</td><td>17,094,203</td><td>4,008,190</td><td>10,214,942</td><td>85,557</td><td>350,847</td><td>29.205</td><td>44.054.141</td></td<>		1924	1,325,996	498,917	566,352	9,879,932	17,094,203	4,008,190	10,214,942	85,557	350,847	29.205	44.054.141
1935         727,462         178,122         195,668         4,301,651         7,899,403         1,724,406         3,570,398           1936         728,888         365,474         144,498         4,439,859         8,048,873         1,724,406         3,570,398           1936         728,888         378,744         144,498         4,439,859         8,048,118         1,316,707         3,099,160         a           1937         725,569         175,734         3,668,118         1,316,707         3,099,160         a         3,099,160         a         3,099,160         a         3,099,160         a         3,099,160         a         3,068,118         1,483,189         2,099,160         a         3,099,160         a         3,099,172         a         1,199,203         a         3,		1930	738.578	257,535	371.794	7,689,354	12,990,705	3,010,032	6,482,976	38,484	52,749	43,458	31, 675, 665
1936         781,883         367,474         141,498         4,439,859         8,048,873         1,606,329         3,589,172         1937           1937         725,560         378,726         175,948         17,549         8,601,15         1,935,236         3,566,769         8,601,15         1,935,236         3,566,769         8,601,15         1,935,236         3,406,363         3,564,769         8,601,15         1,935,236         3,406,363         3,939,100 <td></td> <td>1935</td> <td>727,462</td> <td>178,122</td> <td>195,668</td> <td>4,301,651</td> <td>7,899,403</td> <td>1,724,406</td> <td>3,570,398</td> <td>85 202</td> <td>87 390</td> <td>44 585</td> <td>18 814 287</td>		1935	727,462	178,122	195,668	4,301,651	7,899,403	1,724,406	3,570,398	85 202	87 390	44 585	18 814 287
1937         725,560         378,726         176,737         3,564,769         8,680,115         1,395,236         3,406,563           1938         873,486         372,549         175,948         3,162,859         7,699,447         1,316,707         3,039,1160 a           1939         821,611         312,549         175,948         3,162,859         7,699,447         1,318,707         3,039,1160 a           1940         789,147         322,565         176,868         3,225,238         8,295,312         1,328,685         3,067,419 c           1941         846,859         274,325         129,826         3,063,605         8,566,335         1,479,290         3,260,577 d           1942         1,021,633         349,214         21,313         3,621,644         1,323,344         3,972,774           1943         1,56,102         37,310         3,703,775         9,902,178         1,479,290         3,260,577 d           1944         1,56,102         37,310         3,703,772         1,203,002         1,446,126         50,0067         46,488         3,703,772         1,479,003         3,702,774         3,703,772         1,479,003         3,702,774         3,703,772         1,479,003         3,703,772         1,479,003         3,703,772		1936	781,883	367,474	141,498	4,439,859	8,048,873	1,606,329	3.598.172	127,098	4 275	39 496	19 154 957
1938         783,486         372,549         175,948         3,162,539         7,699,347         1,316,707         3,039,160         a           1939         821,611         318,779         185,320         3,225,238         8,244,943         1,483,189         2,888,408         b           1940         789,147         322,265         176,868         3,285,338         7,999,312         1,315,707         3,039,160         a           1941         846,889         274,325         129,826         3,063,605         8,566,335         1,479,290         3,067,419         C           1942         1,1021,633         349,214         21,313         3,462,164         10,163,813         1,535,344         3,972,274         C           1944         1,466,126         500,067         46,488         3,703,717         10,266,301         1,479,903         3,665,318         1,479,903         3,605,176         1,580,211         4,659,338         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,519,903         1,51		1937	725,560	378 726	176,737	3 564 769	8 680 115	1 395 236	3 406 363	52 506	13,6/8	0 717	18 703 377
1939   821, 611   318,779   185,325   3,225,338   8,244,943   1,483,189   2,588,408   5,888,408   1,940   186,635   176,868   3,225,338   3,225,334   1,477,290   3,205,574   1,941   1,021,633   3,441   3,125,334   3,225,334   3,721,774   3,721,774   1,125,102   351,130   37,310   3,571,795   9,902,178   1,680,211   4,659,538   4,783,602   1,446,126   500,067   46,488   3,703,717   10,246,301   1,681,792   5,125,620   8,125,620   1,233,296   2,223   3,038,524   3,703,717   10,246,301   1,681,792   5,125,620   8,125,620   1,233,296   5,036,786   2,222   3,308,524   3,573,737   1,790,633   5,130,797   1,156,102   1,290,631   1,681,792   1,790,631   1,681,792   1,790,93   1,256,620   1,230,100   626,568   2,220   3,308,524   9,602,447   1,720,123   1,720,12   1,720,12   1,720,13   1,		1938	783 486	372 549	175 948	3 162 859	7,699,37,7	1 316 707	3 030 160 2	28,580	3 570	3 257	16 505 767
1940		1030	031,433	010,010	105 330	3 335 338	1,000,000	1,010,100	2,000,100,000,000,000,000,000,000,000,00	20,00	0,00	, , ,	10,000,101
1940   1,021,633   3,49,214   3,228,428   7,939,312   1,328,685   3,063,605   1,9470   1,928,685   3,063,605   8,686,535   1,479,290   3,260,574   1,942   1,126,102   337,130   3,717,795   9,902,178   1,589,111   4,665,538 f   1,126,102   357,130   3,717,795   9,902,178   1,589,111   4,665,538 f   1,944   1,446,126   500,067   46,488   3,703,717   10,464,301   1,680,211   4,665,538 f   1,213,929   522,386   50,878   3,703,717   10,464,301   1,680,211   4,665,538 f   1,213,929   522,386   50,878   3,703,717   10,464,301   1,513,224   1,513,029   1,515,281   1,723,296   506,786   22,220   3,005,524   9,599,152   1,516,281   4,783,002 h   1,423,296   2,613,403   1,213,296   2,624,41   1,729,133   1,215,213   1,215,213   1,215,213   1,215,213   1,400   9,553   2,418,600   6,417,08   1,729,138   5,130,772   1,213,296   2,220,441   24,461   2,418,00   6,423,19   1,405,854   4,318,959   1,951   1,961,803   2,130,772   1,130,213   2,244,18   2,441,804   2,44		1070	10,170	010,119	120,320	0,777,730	0,734,743	1,403,109	2,000,4U8 B	21,382	43,000	2,735	107, 272, 701
1941         846,839         274,325         129,826         3,603,605         8,586,335         1,477,290         3,260,577 d           1942         1,021,633         34,9124         21,313         3,462,164         10,113,813         1,533,344         3,972,274 e           1943         1,156,102         351,130         3,717,795         9,902,178         1,680,211         4,659,534         4,659,534         4,972,274 e         1,250,002         1,156,102         252,1380         3,005,717         10,264,301         1,680,792         1,25,602         8         1,253,002         1,250,002         1,200,002         4,6488         3,703,785         9,007,593         1,1516,203         21,15,602         8         1,156,477         1,156,102         3,150,602         1,157,477         1,157,602         8         1,156,477         1,156,202         1,156,477         1,156,203         1,156,203         1,157,477         1,157,602         1,157,477         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,502         1,157,50		1940	/89, I4/	322,200	1/0,868	3,288,238	7,959,512	1,328,685		24,683	20,590	2,414	16,979,821
1942         1,021,633         349,214         21,313         3,462,164         10,163,813         1,535,344         3,972,274         8           1943         1,156,102         351,130         37,517,795         9,902,178         1,568,211         4,659,538         1,515,620         8           1944         1,446,126         500,067         46,488         3,703,717         10,266,301         1,516,281         4,659,538         5,125,620         8           1945         1,203,296         506,786         22,220         3,075,872         9,007,593         1,516,281         4,783,602         8           1946         1,203,296         506,786         22,220         3,085,244         9,602,447         1,790,603         5,119,003           1947         1,203,000         626,586         2,873         9,602,447         1,790,633         5,399,003           1948         1,259,080         319,830         12,152         3,409,360         9,641,708         1,725,123         5,119,003           1950         820,734         301,122         12,418,00         6,578,335         1,400,884         4,338,959         1           1951         820,000         1,140,882         4,338,959         1,400,864         1,338,959		1941	846,859	274,325	129,826	3,063,605	8,586,535	1,479,290		27,035	5,708	2,544	17,676,304
1943         1,156,102         357,130         37,310         3,737,1795         9,902,178         1,680,211         4,659,538 f         1,156,102         357,130         37,317,795         9,902,178         1,680,211         4,659,538 f         1,944         1,460,126         500,067         46,488         3,707,377         10,266,301         1,681,792         5,125,620         8         1,213,229         552,138         50,075,87         9,007,593         1,516,281         4,783,602 h         1,719,033         5,125,620 b         1,719,033         5,139,903         1,719,903		1942	1,021,633	349,214	21,313	3,462,164	10,163,813	1,535,344		21,884	8,066	9,432	20,565,137
1944         1,446,126         500,067         46,488         3,703,717         10,246,301         1,681,792         5,125,620 g           1945         1,213,929         522,380         50,878         3,705,875         9,007,593         1,516,281         4,783,002 h           1946         1,203,296         506,786         2,873         3,308,524         9,599,152         1,572,477         5,179,903           1947         1,200,100         626,568         2,873         3,382,378         9,602,447         1,790,633         5,639,097           1948         1,220,100         626,568         2,873         3,409,360         9,641,708         1,725,123         5,139,772         1           1954         823,173         526,441         2,41870         6,642,19         1,760,684         4,338,959         j           1951         823,173         526,441         2,44,870         6,642,19         1,405,884         4,433,958         j         3,303,438         1,405,884         4,430,858         1,405,86         1,307,721         1         3,308,439         1,405,864         4,433,058         1,405,864         4,338,959         j         3,405,356         1,405,864         4,338,959         j         3,407,356         M         3,608,318 <td></td> <td>1943</td> <td>1,156,102</td> <td>351,130</td> <td>37,310</td> <td>3,571,795</td> <td>9,902,178</td> <td>1,680,211</td> <td>4,659,538 £</td> <td>39,286</td> <td>3,276</td> <td>*</td> <td>21,400,826</td>		1943	1,156,102	351,130	37,310	3,571,795	9,902,178	1,680,211	4,659,538 £	39,286	3,276	*	21,400,826
1945         1,213,929         522,380         50,878         3,075,875         9,007,593         1,516,281         4,783,602 h           1946         1,203,296         506,786         22,220         3,308,524         9,599,152         1,572,477         5,179,003           1946         1,259,080         319,830         2,873         3,409,360         9,602,447         1,790,633         5,639,097           1949         1,259,080         319,830         12,152         3,409,360         9,641,708         1,725,123         5,130,772 t           1950         823,173         526,441         24,361         2,541,870         6,462,519         1,961,884         4,338,959 j         1           1951         870,600         369,305         27,540         2,420,001         6,110,011         1,693,285         4,340,356 m         1           1952         699,734         301,122         10,857         2,041,500         5,989,000         1,149,720         3790,865 m           1953         507,731         11,212         9,454         1,397,249         4,4433,055         1,440,387         2,644,394         2,644,394         2,644,394         2,644,394         2,644,394         2,644,394         2,644,394         2,644,390         1,149,34		1944	1,446,126	200,005	46,488	3,703,717	10,246,301	1,681,792	5,125,620 g	59,589	*	*	22,809,700
1946         1,203,296         506,786         22,220         3,308,524         9,559,152         1,572,477         5,179,903           1947         1,320,100         626,568         2,873         3,308,524         9,602,447         1,790,633         5,639,997           1948         1,229,080         319,830         1,715,123         3,409,360         6,47,708         1,725,123         5,338,959         1           1950         870,672         511,400         9,553         2,618,620         6,578,335         1,405,854         4,338,959         1           1951         870,672         511,400         9,553         2,618,620         6,578,335         1,405,854         4,340,338,959         1           1952         870,672         1,140         2,420,001         6,110,011         1,693,285         4,340,338,6m           1953         502,738         201,122         1,945         1,947,20         3,790,865 n         3,790,865 n           1954         367,751         164,373         3,015,005         5,899,000         1,144,720         3,790,865 n           1954         367,751         1,61,803         3,015,005         5,899,000         1,144,720         3,790,865 n           1955         414,199		1945	1,213,929	522,380	50,878	3,075,875	9,007,593	1,516,281	4,783,602 h	53,892	5,054	*	20,229,484
1947         1,120,100         626,568         2,873         3,382,378         9,602,447         1,790,633         5,639,097           1948         1,259,080         319,830         12,152         3,409,560         9,641,708         1,725,123         5,130,772           1950         823,173         526,441         2,4361         2,641,870         6,642,519         1,961,803         5,035,437 k           1951         823,173         526,441         2,441,870         6,642,519         1,961,803         5,035,437 k           1951         738,600         369,305         27,540         2,441,870         6,642,519         1,961,803         5,035,437 k           1952         699,734         301,122         10,857         2,041,500         5,989,000         1,149,720         3,790,865 m           1954         307,751         164,373         15,110         839,153         3,085,312         946,934         2,264,934           1955         414,199         202,062         45,290         4,483,055         880,576         2,644,934           1955         414,199         202,062         45,290         4,483,055         880,576         2,649,934           1955         414,199         202,062         45,290	Man-	1946	1,203,296	506,786	22,220	3,308,524	9,599,152	1,572,477	5,179,903	39,356	16,225	*	21,447,939
1,259,080 319,830 12,152 3,409,360 9,641,708 1,725,123 5,130,772 i 870,672 511,400 9,553 2,618,620 6,578,335 1,405,854 4,338,959 j 870,642,512 1,405,854 4,338,959 j 870,856,42,512 1,961,803 5,035,437 k 788,600 369,335 27,540 2,420,001 6,110,011 1,691,285 4,340,356 m 699,734 301,122 10,887 2,420,001 6,110,011 1,691,285 4,340,356 m 502,738 211,212 9,945 1,997,249 4,483,055 880,576 2,676,234 9 367,751 164,373 15,110 839,153 3,085,312 948,934 2,264,934 377,622 152,351 31,643 882,543 666,321 2,009,587 q 267,133 213,100 39,381 825,347 2,364,390 670,183 1,803,776 r 1,46,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 33,500 531,799 525 408,700 1,249,644 v 77,790 77,423 33,500 4438,525 1,139,925 408,027 1,149,644 v	Days	1947	1,320,100	626,568	2,873	3,382,378	9,602,447	1,790,633	5,639,097	23,233	5,202	*	22,392,531
870,672 511,400 9,553 2,618,620 6,578,335 1,405,854 4,338,599 j 1 1 823,173 526,441 24,341,870 6,642,519 1,961,803 5,035,437 k 1 38,500 369,305 27,540 2,420,001 6,110,011 1,691,803 880,576 2,676,234 0 37,035 11,112 10,857 2,041,500 5,989,000 1,149,720 3,709,865 n 1 502,738 211,112 10,857 2,041,500 5,989,000 1,149,720 3,709,865 n 1 839,133 3,085,315 6,880,576 2,676,234 0 842,613 3,015,005 519,882 1,768,767 p 444,199 202,005 10,831 1,831 1,405,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 142,597 33,264 6,024,15 1,370,903 535,469 1,382,621 1,512,200 88,229 1,42,597 33,350 531,703 1,319,225 1,131,325 1,331,331,331,331,331,331,331,331,331,3		1948	1,259,080	319,830	12,152	3,409,360	9,641,708	1,725,123	5,130,772 i	28,335	7,704	*	21,534,064
823,173 526,441 24,361 2,541,870 6,642,519 1,961,803 5,035,437 k 138,600 369,305 27,540 2,2420,001 6,110,011 1,693,285 4,340,335 m 1 699,734 301,132 10,857 2,041,500 5,989,000 1,149,720 3,790,865 n 1 502,738 211,212 9,945 1,397,249 4,483,055 880,576 2,676,234 n 1 577,622 152,351 15,110 839,153 3,085,312 948,934 2,254,934 444,199 202,062 45,290 983,114 2,982,331 666,321 2,009,587 q 267,133 213,100 39,381 825,397 2,364,390 670,183 1,803,776 r 1 146,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 33,350 531,703 1,374,306 486,175 1,111,822 u 79,052 69,179 32,200 438,525 11,399,925 408,027 1,149,644 v		1949	870,672	511,400	9,553	2,618,620	6,578,335	1,405,854	4,338,959 j	12,760	16,320	×	16,362,473
738,600 369,305 27,540 2,420,001 6,110,011 1,693,285 4,340,356 m 1 6,99,734 301,122 10,687 2,441,500 5,989,000 1,149,70 3,790,865 n 1 1,699,734 301,122 10,687 2,441,500 5,989,000 1,149,70 3,790,865 n 1 1,643,73 15,110 839,153 3,085,312 948,934 2,264,934 4,441,99 202,062 45,290 983,114 2,982,331 6,66,321 2,099,587 q 2,677,133 213,100 39,381 825,397 2,364,390 670,183 1,803,776 1,66,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 33,350 531,703 1,374,304 1,319,925 4,08,027 1,151,822 1,374,304 1,319,925 69,179 32,200 438,525 1,139,925 1,134,305 1,149,644 v		1950	823,173	526,441	24,361	2,541,870	6,642,519	1,961,803	5,035,437 k	14,265	30,131	*	17,600,000
699,734 301,1122 10,857 2,041,500 5,989,000 1,149,720 3,790,865 n 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1951	738,600	369,305	27,540	2,420,001	6,110,011	1,693,285	4,340,356 m	13,652	2,250	1	15,715,000
\$ 502,738 \$ 211,212 \$ 9,945 \$ 1,397,249 \$ 4,483,055 \$ 880,576 \$ 2,676,234 \$ 0 \$ 367,731 \$ 164,373 \$ 15,110 \$ 839,153 \$ 3,085,312 \$ 948,394 \$ 2,264,994 \$ 4,481,092 \$ 202,062 \$ 131,642 \$ 45,290 \$ 983,114 \$ 2,982,331 \$ 666,321 \$ 2,009,587 \$ 0 \$ 267,133 \$ 213,100 \$ 39,381 \$ 825,397 \$ 2,364,390 \$ 670,183 \$ 1,803,776 \$ 1 146,841 \$ 181,801 \$ 32,798 \$ 555,748 \$ 1,812,300 \$ 538,029 \$ 1,574,124 \$ 1 142,597 \$ 142,597 \$ 33,350 \$ 531,703 \$ 1,374,306 \$ 466,175 \$ 1,111,822 \$ 0 \$ 77,423 \$ 33,250 \$ 438,525 \$ 1,139,925 \$ 408,027 \$ 1,149,644 \$ 0 \$ 1,396,644 \$ 0 \$ 1,306,645 \$ 0 \$ 1,49,644 \$ 0 \$ 1,49,644 \$ 0 \$ 1,406,644 \$ 0 \$ 1,406,644 \$ 0 \$ 1,406,644 \$ 0 \$ 1,406,644 \$ 0 \$ 1,406,646		1952	699,734	301,122	10,857	2,041,500	2,989,000	1,149,720	3,790,865 n	12,970	•		13,995,768
# 377,51 164,373 15,110 839,153 3,085,312 948,934 2,264,934 47,052 152,351 31,643 842,613 3,015,005 519,882 1,7868,767 p 444,199 202,062 45,290 983,114 2,982,331 666,321 2,009,587 q 267,133 213,100 39,381 825,997 2,364,390 670,183 1,803,776 r 146,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 33,264 602,415 1,370,903 535,699 1,382,621 t 77,423 33,350 531,703 1,374,306 466,175 1,111,822 u 79,052 69,179 32,200 438,525 11,399,925 408,027 1,149,644 v		1953	502,738	211,212	9,945	1,397,249	4,483,055	880,576	2,676,234 0	8,875	•	1	10,169,884
# 377,622 152,351 31,643 842,613 3,015,005 519,882 1,768,767 p 414,199 202,062 45,290 893,114 2,982,331 666,21 2,009,587 q 267,133 213,100 39,381 825,397 2,364,390 670,183 1,909,587 q 146,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 33,264 602,415 1,370,903 535,469 1,382,621 t 77,790 77,423 33,350 531,703 1,274,306 466,175 1,151,822 u 79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1954	367,751	164,373	15,110	839,153	3,085,312	948,934	2,264,934	5,849	1	1	7,691,416
414,199         202,062         45,290         983,114         2,982,331         666,321         2,009,587 q           267,133         213,100         39,381         825,397         2,364,390         670,183         1,803,776 r           146,841         1811,801         32,798         555,448         1,812,300         558,029         1,574,124 s           88,229         142,597         32,264         602,445         1,370,903         535,469         1,382,621 r           77,790         77,423         33,350         531,703         1,274,306         486,175         1,151,822 u           79,052         69,179         32,200         438,525         1,139,925         408,027         1,149,644 v			377,622	152,351	31,643	842,613	3,015,005	519,882	1,768,767 p	1,953	,	1	6,709,836
267,133 213,100 39,381 825,397 2,364,390 670,183 1,803,776 r. 146,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,229 142,597 32,264 602,415 1,370,903 553,469 1,382,621 t 77,790 77,423 33,350 531,703 1,274,306 486,175 1,151,822 u 79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1956	414,199	202,062	45,290	983,114	2,982,331	666,321	2,009,587	2,142	,	244	7,305,590
146,841 181,801 32,798 555,748 1,812,300 558,029 1,574,124 s 88,8229 144,597 32,264 602,445 1,370,903 533,469 1,382,621 t 77,790 77,423 33,350 531,703 1,274,306 486,175 1,151,822 t 79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1957	267,133	213,100	39,381	825,397	2,364,390	670,183	1.803.776 r	1,820	,	ı	6,185,180
88,229 142,597 32,264 602,415 1,370,903 535,469 1,382,621 t 77,790 77,423 33,350 531,703 1,274,306 486,175 1,151,822 u 79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1958	146,841	181,801	32,798	555,748	1,812,300	558,029	1.574.124 s	4, 286	009	3.618	4.870.145
77,790 77,423 33,350 531,703 1,274,306 486,175 1,151,822 u 79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1959	88,229	142,597	32,264	602,415	1,370,903	535,469	1,382,621 t	2,950		536	4,157,984
79,052 69,179 32,200 438,525 1,139,925 408,027 1,149,644 v		1960	77,790	77,423	33,350	531,703	1,274,306	486.175	1,151,822 11	4.500	340	006	3,638,309
79,032 09,179 32,200 430,323 1,139,923 406,027 1,149,044 V		1001	70 050	021 03	000000	200 000	1000000	100000	3 170 677	726 7	676	909	707 100 0
		1961	700'6/	671,40	32,200	430,52	1,137,723	400,021	I,149,044 V	0/T 6 4	200	020	707,170,0

DIVISION	2,992,342	3 090 999	2 930 607	2 256 834	1 828 158	1,707,100	1,/0/,000	1,499,602	1,374,906	1,408,205	1,261,942	950,800	946,112	835,402	823 991	057,735	074,710	823,843	774,932	774,380	271	210	187	193	186	171	185	187	199	246	269	292	265	266	277	268	207	220	233	211	179	172	179
WAYNE	246	2 576	310	360	30	2				,	,	1			,				1	1	295	159	198	181	141	163	144	142	159	219	ĸ	ĸ	ĸ	ĸ	,	•	1	,	,	1	,		,
SUSQUE.	368	•	,	660	406	000	TOO	468	132	,	89	,	510	1.682	480	1 773	1,113		,	375	298	115	217	171	86	85	186	142	154	212	234	*	174	272	255	188	260	280	250	1	•	,	•
SULLIVAN	2,159	1,730	1,624	2,693	2,000	2,77,0	3,749	3,762	4,850	8,910	7,812	3,888	3.501	2,928	4 707	000	9,090		14,855 dd	8,499 ee	121	99	143	208	123	103	100	132	188	210	239	282	260	217	183	202	123	140	192	206	146	55	76
	1,123,798 w	1,100,426 ×	1.002.987 v	811 710 2	652 550 aa		011,00/ DD	593,675	558,604	585,841	556,815	410,065	433,118	443,439	492 111	101,100	003,193	487,333	444,434	491,837	271	196	181	188	180	168 a	175 b	191 с	196 d	234 e	258 f	274 g	250 h	251	277	250 1	216 i	250 k	241 m	215 n	177 0	178	175 p
NORTHUMB'D	390,864	432, 184	408,207	297 408	233, 130	100,001	193,610	172,550	153,040	150,070	134,501	104.372	99,791	102,778	91 520	100,000	100,001	108,291	109,361	93,329	273	265	222	213	186	176	194	180	217	236	259	262	258	257	269	265	234	280	240	210	178	232	119
LUZERNE	997,943	1.098,611	1.057,471	852 831	729 437	751,737	0/2, T//	520,398	452,572	464,678	367,071	310,811	319,692	221,528	181 512	101,101	101,300	163,339	165,558	141,001	270	213	181	181	190	168	190	183	196	259	277	304	274	278	283	281	188	205	222	238	187	179	209
LACKAWANNA	299,472	259 189	250,182	166 990	107 826	20, 20,	96,979	100,916	85,247	87,360	81,681	68,925	66.728	30,147	19 511	10000	10,094	19,561	7,694	5,208	276	212	206	224	186	178	180	195	205	241	273	300	270	275	272	279	224	235	250	240	164	119	171
DAUPHIN	33,008	38 158	37,552	27, 77	21 965	17 150	17,150	15,786	15,673	14,232	13,339	8,639	9,023	8,942	7 773	200	4,734	7,160	6,672	7,864	277	184	193	159	201	192	205	204	221	39	287	312	261	74	139	199	115	195	180	224	140	210	156
COLUMBIA	64,902	55,766	104 052	61 212	27 7.88	2,100	04,3/3	39,626	43,544	33,242	32,540	18,023	3 359	8.082	12 385	14,00	10,000	14,135	8,306	19,234	225	147	135	215	202	191	164	194	184	235	267	292	267	234	270	163	291	280	227	222	163	172	136
CARBON	79,582	102 359	68 057	35,696	7.9,000	10,001	45,33/	52,421	61,244	63,872	68,115	26,077	10 390	15,876	13 993	10,702	13,580	13,776	18,052	7,033	278	175	147	142	169	166	175	180	190	230	267	293	265	262	269	272	197	220	193	213	168	148	172
YEAR	1962	1963	1964	1965	1066	1300	1961	1968	1969	1970	Man- 1971			1974	1075	1010	19/6	1977	1978	1979	1924	1930	1935	1936	1937	1938	1939	1940	1941	Average 1942		'n		1946	1947	1948	1949	1950	1951	1952	1953	1954	1955 #

DIVISION	209	189	182	172	180	196	204	216	216	191	190	218	224	213	224	217	215	233	218	213	235	229	223	233	496	777	267	241	212	223	210	182	189	225	218	171	138	169	166	131	92	
WAYNE	89	,	201	134	06	116	41	184	62	120	10	1	1	1	1	1	1	1	1	1	1	1	1	,		3	1	1	1	1	1	1	ı	1	1	1	ι	ı	1	ı	1	
SUSQUE.		•	200	•	85	121	184	,	•	220	81	37	78	16	1	34	1	85	66	09	295	1	1	125		1	,	,	ı	ı	1	1	1	1	1	1	1	ı	1	ı	1	
SULLIVAN	306	260	171	134	214	261	166	133	85	158	148	250	251	186	247	217	195	167	183	152	294	312	288	81		•	3	,	1	1	,	ı	1	1	,	•	1	1	1	1	1	
SCHUYLKILL	205 q	189 r	185 s	175 t	166 u	192 v			208 y			211 bb	225	214	226	220	212	235	240	229	246	232	222	244	110	123	61	34	38	777	27	33	35	36	54	32	32	38	15	34	18	
NORTHUMB'D	210	207	185	187	173	242	185	217	210	180	178	224	226	190	205	204	212	211	228	181	207	215	224	213	38	29	16	14	15	13	13	10	7	16	13	15	13	12	13	5	2	
LUZERNE	210	190	188	163	212	222	219	237	233	223	213	224	220	218	228	204	222	238	193	205	233	240	246	225	193	164	123	137	102	102	108	93	86	128	103	70	53	79	104	65	09	
LACKAWANNA	223	192	191	186	181	202	197	209	214	168	118	504	240	207	236	253	243	266	126	176	213	173	135	144	125	108	20	20	35	64	94	35	37	35	36	37	27	27	25	19	88	
DAUPHIN	216	506	196	155	160	160	148	204	200	171	188	191	205	195	200	222	184	180	203	210	191	211	196	224	7	5	7	2	6	5	3	e	2		,	1	1	ı	1	1	1	
COLUMBIA	183	186	171	167	133	166	168	152	190	188	237	268	146	283	222	281	190	140	207	141	180	188	128	211	11	1	3		9	7	5	2	2	9	5	7	9	9	5	3	1	
CARBON	198	141	175	144	102	227	235	264	204	187	186	202	265	216	214	238	174	236	230	222	221	250	194	260	11	11	7	7	5	9	7	9	80	4	7	12	9	9	4	5	9	
YEAR	1956	1957	1958	1959	1960	1961	1962	1963	1964	Average 1965		Worked 1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1924	1930	1935	1936	1937	1938		ities 1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	

DIVISION	86	76	66	59	47	09	75	51	31	46	35	19	26	30	24	00	5	6	7	13	7	2	e	1	2	1	1	11	1	1	175,963	154,902	192,356	225,162	243,869	207,487	244,761	283,112	285,408	257,509	277,577
WAYNE		,	1	1	1	1	1	1	1	,	ı		1	1	•	1	1	,		,	1	1	1	1	1	1	1	,	•	1	1	40,994	1	,	102,858	. 1	ı	1	1	1	1
SUSOUE.		•		,		•	,	,	•	,	,		1	,	•	1		•	•	•			1	1	•	,	1	,	,	,	655,000	91,296	1	1			124,791		ı		•
SULLIVAN		1	1	,		1	1	1	1	,	•		1		1			1					,	,				1		1	1		59,711	•	99,879	. 1			•		•
SCHUTCKILL	11	22	22	15	80	12	14	10	6	6	. 50	4	14	6	∞	2	3	3		00	m	1	2		1		1	6		•	174,893	127,425	176,426	362,748	301,620	222,141	366,138	340,672	337,776	375,568	322,150
NORTHUMB ' D	6	00	10	3	2	9	9	9	7	7	m	e	1	7	00	1		2	•	1		_				1	,			1	189,672	232,734	341,830	372,014	306,947	314,676	370,403	976,677	704,868	330,995	420,242
LUZERNE	52	77	37	30	27	32	23	20	15	24	14	10	11	12	7	2	2	4	2	4	1	1		1				2	1		179,851	167,415	171,213	155,584	220,462	199,664	216,460	243,785	248,127	201,307	233,812
LACKAWANNA	80	13	10	7	7	2	7	7	2	9	11	1	1	e	1	•	,	,	2	,	•	•	•	1	•	•	•	•			163,139	141,786	208,745	223,094	260,500	172,241	199,969	264,556	242,536	266,983	254,157
DAUPHIN		1	,	,	,	,	•	1	•	•	1	•	,	,	•	1	,	1	1	,	,	1	1	,	,	•	•	•	•		159,007	173,473	78,495	200,379	53,823	85,174	158,987	168,519	172,773		•
COLUMBIA	2	3	5	1	2	1		7	1	2	1			1		2	,						1							1	94,975		274,934		208,507	289,478	192,869	513,813	533,736	166,354	172,203
CARBON	4	4	∞	3	1	2	4	3		1	_	1		1		1			1		•	1		1	1		•		1	1	241,347	159,467	425,755	468,449	415,280	324,629	359,165	362,558	300,218	699,200	450,120
YEAR	1950	1951	1952	1953	1954	1955 #	1956	1957	. 1958	1959	1960	1961	Fatal- 1962	ities 1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1924	1930		Pro- 1936	duction 1937	Per 1938	Fatal 1939	1940	1941	1942	1943

DIVISION	374,927	405,081	366,738	350,771	451,212	485,980	538,829	450,947	435,512	516,871	566,219	432,247	521,771	493,401	659,886	427,622	506,318	868,769	634,474	580,373	688,529	1,788,727	2,406,275	1,283,605	2,756,370	781,985	2,312,002	4,093,980	2,154,031	6,293,013	3,045,012	5,628,741	5,291,776	460,063	5,037,960	4,835,118	11.26	14.02	14.19	12.58	11.52
WAYNE		•	1	1	,	1	1	,	,	1	1	1	1	1	1	•	1	1		ı		1	ı		1	ı	ı	1	1			•	1	1	ı	ı		69.03	1		102.94
SUSQUE.		ı	1	ı	,	•	,	1	1	•	ı	1			1	1			1	1		1	1	ı		1	1	1	ı				•	•	,	ı	2.85	18.96	1		1
SULLIVAN	•	187,007	,105,862	•					1	1	1	1	ı		ı		ı		ı	ı	1		1		•	ı	,	,	1	,						1			35.21		19.04
SCHUYLKILL	588,581	522,853	495,037	1,083,979	508,104	752,121	1,278,772	591,867	589,890	676,192	979,584	671,472	628,672	851,832	811,982	1,061,726	1,386,229	1,703,547	469,279	720,548	747,312	2,747,459	1,541,344	1,419,764	•	516,748	1,347,778	3,569,335	1,393,299		3,102,366		2,646,600	297,425			10.77	18.97	17.08	9.45	11.16
NORTHUMB 'D	382,896	284,697	528,566	521,504	1,387,468	4,500,245	579,034	718,746	532,615	1,415,854	1,641,657	458,231	587,476	569,269	650,208	637,901	804,866	668,093	1,702,891	520,742	283,385	1,600,886	,	708,710	•	1,309,666		894,462			1,044,012	790,973				566,220	9.48	69.63	9.28	8.71	10.75
LUZERNE	354,429	397,609	288,236	211,452	332,182	266,497	329,091	338,237	372,296	340,064	395,377	310,040	424,468	419,463	451,602	257,197	384,335	530,795	533,688	534,365	807,129	2,673,338	2,239,108	1,048,071	1,738,032	840,244	2,719,940		2,022,194	1,960,574			٠	601,884	1,318,836	. '	11.29	12,62	15.57	17.02	11.75
LACKAWANNA	254,796	299,371	335,494	341,527	453,204	777,718	815,808	444,293	530,355	507,949	414,781	518,986	461,795	382,916	1,047,085	357,971	168,455	1,194,971	. '	321,491	879,898	. •	•		279,229	. '				•							12.65	14.05	11,62	11,26	9.82
DAUPHIN	299,349	. 1	,	,	,	•	•	•	•	•	,	1	•	195,499	. •	•	•		1	1	•	196,495	, 1	,	•	,	1	•	1	•	•		•	•	,	ı	12.36	13,45	35.77	14.13	50.92
COLUMBIA	286.985	186,871	242,959	301,577	559,832	1.380,732	640,904	328,392	152,130	745,649	284,366			212,620	888,009	346,112	474,234	. •		445,749	. '	208,136	, 1	,	•		•	•			•	,		•			22.05		16.84	•	15.84
CARBON	303.740	557,543	527,701	733,452	560,379	708,894	620,067	473,509	237.412	520,612	1.272.419	349,938	436,572	369,014	. '	518,252	519,583	579,106	. '	727,455	, '	1	1	1			•		1	•	1	1	•				8.30	14.89	5.50	5.12	6.89
YEAR	1944	1945	1946	1947	1948	6761	1950	1951	1952	1953	1954	1955 #	Pro- 1956	duction 1957		-		1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	Fatal- 1924	ities 1930	Per 1935	Million 1936	Man-Days1937

NOTSTOTO	13.45	12.19	10.72	10.69	10.94	10.19	7.50	6.82	7.88	7.41	90.9	5.62	4,89	5,98	6.57	5,80	6,11	8.94	7.39	8.25	6.37	11.06	9.62	5.72	8,69	9.71	8.19	3.54	2.73	5.26	2.67	9.46	2.84	1,58	3,16	1.06	2,39	1.21	1.16	13,35	1.29	1.29
WAYNE		•			,		,		,	•	1	1	,	,	•	1	•			,			•		•	,	,	•	•	1	•				•	1	,	1	,	1		
SUSOUE		22.91	1	•	,	•	•	,	•	,	,	•	•	•	•	•	•	•		•	1	•	•	•	,	,	•	•	,	ı.	•	•		•		,		1			1	
SULLIVAN		•	•	•	•			18.56	25.41						•								•		•		٠					•										
SCHUYLKILL	14,48	9,35	10,76	10,73	90.6	11,59	6.24	69.9	7.34	2,66	6,63	4.15	2,18	5.07	5.80	5.60	3.53	6.78	6.07	5.54	5.72	6.51	4.34	3.47	12,46	8.18	7.98	2.46	7.60	4.91	•	14.32	5.12	1.80	4.88	•	2.25	•	1.98	18.47		
NORTHUMB'D	9.87	8.76	7.53	4.73	10.42	7.74	8,92	8.57	7,63	7.26	2.90	1.42	4.59	4.72	8.70	3,41	2.11	11,54	00.6	8.94	7.17	7.47	6.17	7,35	2.56	9.26	19,60	3.36	•	10.13	•	6.53	•	8.03	•	•	9.72	10.92			•	10.71
LUZERNE	13,25	13,11	11.68	11.41	12.59	10.40	6.83	5.88	8.23	10.83	6.74	9.12	7.83	7.20	6., 18	69*9	8.75	10,61	7.71	97.8	8.28	17.51	10.99	8.77	11.02	10.92	6.62	2.35	2.74	5.92	3.84	8.84	2.15	•	3.22	3.13	•			12.24	90.9	,
LACKAWANNA	15,49	14.26	10,64	12.08	10.11	10.08	66.6	8.78	8,16	7.39	5.57	3.06	3.15	5.37	4.90	5.01	8,34	5.93	7.12	8,48	3.60	96.6	20.68	2.28		11.57	3.99			•	19.82			•		•						1
DAUPHIN	28.42	16.19	16.96	15,41	•	•	21.51		•	•	,	•								25.39			•		•	•	•	36.66	•		•	•	•		•	•	•	•	,		•	,
COLUMBIA	10.74	15.68	6.21	7.29	17.18	14.24	8,00	11.49	11.84	7.98	9.38	1.96	3.80	8.12	16.60	4.73	1.22			18.77	5.50	14.03	12.92			17.93	•	32.67	•							•		•	•		•	
CARBON	7.66	8.52	7.60	9.45	3,92	6.05	8,30	4.94	4.99	3.03	3.97	3.45	4.86	5.42	11,43	5.97	2.72	13.24	99.6	11,23		11.33	12.86	12.65		6.77						1								•		1
YEAR	1938	1939	1940	1941	1942	1943	1944	1945	1946	. 1947	1948	1949			0)	Per 1953	Million 1954	Man-Days1955 #	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979

# EXPLANATION OF SYMBOLS USED IN THIS REPORT

																												$\rightarrow$		
	County	=	=	=	Ξ	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	Ξ	=	County	=	=
for I oboron County	Lebanon	=	=	=	=	:	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	Ξ	=	=	=	=	=	Bradford	Ξ	=
		=	Ξ	Ξ	Ξ	=	Ξ	Ξ	Ξ	Ξ	=	Ξ	Ξ	=	=	=	=	=	=	=	=	Ξ	=	=	=	=	=	=	=	=
o and process	man-days	Ξ	Ξ	Ξ	=	=	Ξ	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
1 613	7,017	066	1,773	4.856	4,593	5,654	2,940	9,881	1,338	1,582	1,335	2,020	2,156	7460	2,480	2,358	940	588	910	069	360	824	2,893	1,737	1,630	634	90	1,500	3,906	7,434
600	alla :	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	Ξ	=	=	=	=	=	=
9 22.0	uays:	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
1 27	177	198	136	187	118	257	210	241	223	226	267	308	286	94	120	107	188	98	153	230	72	118	192	124	163	70	18	107	206	212
ome lone	emproyes,	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	Ξ	=	=
13	7	S	13	26	39	22	14	41	9	7	2	13	11	10	20	22	2	9	9	3	2	7	15	14	10	6	5	14	19	35
0 000	cons,	=	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	=	Ξ	Ξ	Ξ	Ξ	Ξ	=	=	Ξ	=	=	Ξ	Ξ	=	=	=	=	=	=
6 197	to T 0	13,927	17,330	30,716	35,641	21,981	21,550	37,690	21,982	21,763	22,978	26,657	24,767	6,560	3,752	6,359	3,550	9,106	4,450	2,770	13,654	13,101	26,192	33,019	43,000	39,237	2,700	26,188	132,263	122,128
Tanlandon		=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	Ξ	Ξ	Ξ	=
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
•	<b>1</b>	q	O	P	е	44	60	4	+-1	-	1	E	п	0	Q	. 0	H	03	L	Þ	>	3	×	>	N	aa	pp	CC	рp	ee

The year 1924 was selected as a normal year in order that comparison might be made with the depression years that are a part of this report. NOTE:

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<sup>\*</sup> Not segregated from Lackawanna County.

In 1955 and subsequent years, the production, employes, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in the County totals.

#### ANTHRACITE REGION

#### COUNTY--DISTRICT CROSS REFERENCE LIST

1979

County	Mine Inspection District
Bradford	50
Carbon	4, 58
Columbia	2, 56, 59
Dauphin	6
Lackawanna	1, 53
Luzerne	1, 53, 57, 58
Northumber1and	2, 3, 59
Schuylkill	1, 2, 4, 5, 6, 56, 58, 60
Sullivan	1, 50
Susquehanna	1

### PRODUCTION TABLE

			Production - Net Tons	- Net To	ns								
			•••	Sold	Used at		Ammonium			Aver-	No.	Ż	-uoN
		: Shipped to Market	Market :	to	Mine	••	Nitrate	Dynamite		age	jo	Fatal fatal	atal
		: By	By :	Local	for Steam	Total :	(Pounds	(Pounds	Other	Days			-too
Operators and Mines	County	: Railroad	Truck:	Trade	and Heat	Production:	(pesn	(pasn	(Name)	Worked	oyes	dents d	dents
Ace Anthracite, Inc.		1	,	1				٠	,	178	٣	,	ı
Ace Dieaker American Silt Processing Co.	Lackawaiiia									9	1		
Waddell Washery	Lackawanna		•	•	1	•	,	1	•	220	5		1
Apex Cleaning Co.													
Apex Preparation Plant Luzerne	Luzerne		1				ı	1	ı	86	11		1
Beaver Brook Coal Co.													
Beaver Brook Fine Coal Pl.Luzerne	.Luzerne		•	ı						294	7		•
Beltrami Enterprises										1			
Beaver Brook Bank	Luzerne	1,192	261	ı		1,753			ı	23	m		1
Honey Brook Bank	Schuylki11	22,854	10,217	538		33,609	1		ı	161	2		1
Eckley Breaker	Luzerne	•		1	•	•			1	24	3		•
Eckley Cleaning P1.	Luzerne		•	1					1	27	2	•	١
Honey Brook Breaker	Schuy1ki11		1	1		•	•	1	1	262	67	,	œ
Marvine Bagging Pl.	Lackawanna	•	•			•	-	-	1	225	9	•	٠
Total		24,046	10,778	538	-	35,362	-	-	-		89	-	œ
Bone Construction Co.													
Underwood R.R. Bed Bk.	Lackawanna		12,578	2,220		14,798	•	•	1	9	2	1	•
C. J. C. Coal Co.													
Pompey Bank	Lackawanna		572	101		673			ı	96	.n (	ı	
Pompey Breaker	Lackawanna	-		-	-		-	'	-	77	~		
Total		-	572	101	-	673	1	-	-		9	١	
Carrier Coal Co.													
Olyphant Bank	Lackawanna		4,070	•		4,070		ı		77	m		ı
G. L. & O. Enterprises, Inc.	٠.					;				i	•		
Laurel Run R.R. Bed Bk. Luzerne	Luzerne	1,139	9,215			10,354			ı	. 73	7		•
Lee Mine R.R. Bed Bk.	Luzerne	992	8,025	ı	1	6,017			ı	64	7		
W.Nanticoke R.R.Bed Bk. Luzerne	Luzerne	381	3,080	'	-	3,461	'	-	'	51	7		
Total		2,512	20,320	-	-	22,832		1	-		9		1
Gowen Coal Co.										1			
Gowen Breaker	Luzerne			ı		1		ı		117	12	ı	
Gowen Cleaning Pl.	Luzerne	•	-	'	-	•	1	'	-	117	4	-	
Total		-	-	•	-	•	-	1	1		16	'	
Great Eastern Coal Corp.	,	1									c		
Ashley Yard R.R.BedBk.	Luzerne	6/9	5,458	1		6,133				40	2	ı	
Loree Bank	Luzerne	•	22,300	•	1	22,300	1		,	140	5	1	1
Loree Breaker	Luzerne		. 1	1	•	, 1	-	-	-	199	14	1	1
Total			22,300	•	•	22,300	-	-	-		19	-	٠

			Production	- Net Tons	ns								
					Used at		Ammonium	Dimomifeo		Aver-	No.	Non-	Non-
		Shipped to Market By By	Market By :	to Local	for Steam	Total	(Pounds	(Pounds	Other	Days	Emp1-	Empl- Acci- Acci-	cci-
Operators and Mines	County	: Railroad	Truck:	Trade	and Heat	Production:	nseq)	nseq)	(Name)	worked	oyes	dents	dents
Harwood Silt(P.P.&L.)Bk.Luzerne	«.Luzerne	26,225	12,967	1,279		40,471	1		,	114	4	1	ı
7400 Bank	Luzerne	31,235	15,444	1,523		48,202	ı		ı	63	4		ı
Hazleton Shaft Silt		0	000	1		0				000	*		
Dam Bank	Luzerne	19,992	9,885	6/6	ı	30,852			ı	627	<b>t</b>		
Prospect Bank						•	ı		ı	79	7 0		
Hazleton Shaft Breaker			1	ı	ı		ı		ı	131	58		٠.
Jeddo No. 7 Breaker	Luzerne					•	•		ı	253	82	ı	97
Lion Breaker	Luzerne		ı		ı		ı		ı	235	19	ı	2
Prospect Cleaning Pl.	Luzerne	-			-	•	•	•		29	ρ I	١.	
Total		77,452	38,296	3,777	-	119,525	-	-	1		181	-	23
Kaminski Brothers, Inc.										0	,		
Hillside Breaker	Luzerne			ı		•			ı	306	9	ı	-
Lattimer Associates, Ltd.		37, 110			ı	37, 119	ı		,	199	ď		
Lattimer Bine Coal Dl	Luzerne	74,117				11.6	- 1	1	ı	199	0	•	,
Total		34,119	-			34,119			-		14		
Linsinbigler Coal Co.													
Browndale Silt Bank	Susquehanna		9,915	1		9,915	1	1		125	n	ı	
Lucky Strike Coal Corp.										0	c		
Ashley Colliery Breaker Luzerne	Luzerne		1	ı			ı		ı	220	רי ה	ı	ı
Franklin Breaker	Luzerne			ı			ı		ı	21	57		
Wanamie Cleaning Pl.	Luzerne	-	-	-	-	-	-	-	-	29			
Total		1	1	-	-	-	-	-	•		21		
Marvin Enterprises, Inc.											•		
Anthrapower Breaker Mazaika Bros. Coal Co.	Lackawanna	ı	ı		ı	1				70	n	ı	
Mazaika Breaker	Schuylki11	,	1	1	ı		1	ı	•	150	2	ı	1
Moosic Coal Co.											,		
Moosic Breaker	Lackawanna		ı	ı	ı		ı			256	2		ı
Northeast Energy Co.	,							,		0	u		
Laurel Breaker P & M Mining Co	Luzerne		ı			ı	ı	ı		100	n		
Mildred Breaker	Sullivan	1	ı	•	ı	1	1	1	,	13	5	1	1
Pollock, Inc., Ken													
Bliss Bank	Luzerne		73,378	1	,	73,378	1	ı	ı	168	1	ı	1
Huber Bank	Luzerne	-	108,932	-	-	108,932	-	1	-	191	-		
Total		-	182,310	1		182,310	-	1	-		2	•	
Popple Brothers										,	-		
Dickson City R.R.Bed Bk.Lackawanna	k.Lackawanna		4,130	729		4,859	ı	1		/ †	7	ı	

			Production - Net Tons : Sold U	- Net To	us Used at	••	Ammonium			Aver-	NO.		Non-
Onerators and Mines	County	: Shipped to Market: By By By True	By : Truck:	to Local Trade	Mine for Steam and Heat	Total :	Nitrate (Pounds	Dynamite (Pounds	Other (Name)	age Days Worked		Fatal fatal Acci- Acci-	fatal Acci-
Popple Brothers (continued)	d) Luzerne	1	17.276	3.049	1	20.325		1		75	1	1	1
Duryea Breaker	Luzerne	1	100		1	707	1	-	t	292	201	1	
Premium Fine Coal Co.			21,400	3,770		401,62			1		'	1	1
Candleton Bank Sc	Schuylkill	16,631	40,323	ı	1	56,954			ı	257	9	ı	ı
Central R.R. Bed Bk.	Lackawanna	1	1	2,778	1	2,778		•	,	65	2	ı	ı
No. 6 Bank	Luzerne	•	•	7,510	1	7,510	1	1	1	66	2	1	1
Wilkes-Barre R.R. Bed BkLuzerne	BkLuzerne	1	1	7,656	1	7,656	•	•	•	63	e	1	ı
Alden Cleaning Plant	Luzerne		1	ı	1		1		ı	164	e		1
Kassa Breaker	Luzerne	•	1	-	1	•	•	-	-	279	5	•	•
Total		1	1	17,944	1	17,944	8	•	8		15	1	'
Tedesco Bros. Coal Co.	Tarage	,	,	5.832	1	5.832	,	,	,	35	2	•	ı
Tadooo Brooker	Turerne	٠	1		•		,	٠		37	7	•	1
recessor preamer	חקקבווה	9		5,832		5,832					9		
District Total		155,435	368,326	34,190	•	557,951	,	ı	1	176	427	ı	32
					District 2								
A & H Coal Co.													
Skidmore Slope	Columbia	1	9,722	1,080	•	10,802		20,800	,	251	10	1	
Ashland Community Enterprises Pioneer Tunnel(a) Sch	1ses Schuvikill	•	,	,	,	,		•	,	310	27	1	,
B-D Mining Co.	11111									9	ì		
Ellengowan No. 132 Bank Schuylkill	k Schuylkill	3,638	2,106	•	1	5,744	•	1	1	19	*	1	•
No. 1 Slush Dam Bank	Schuylki11	6,467	3,744	1	1	10,211	•	•	ı	73	œ	ı	ı
Oakland No. 56 Bank	Schuylkill	244	142	1	•	386				21	*	1	1
Park Place Bank	Schuy1ki11	23,556	13,639	ı	,	37,195	1	ı		78	6	1	
Potts No. 45 Bank	Columbia/		000			1 (1)				7.7	-1		
da 67 on selection as		12,022	292	ı	ı	10,14				t t	k a	1 1	ı v
St. Nicholas No. 42 BK.	Schuylkill	18, 471	10.695	1 1		29,166	1 1			60	0		ו ר
Gilberton Fine Coal Pl. Schuylkill	. Schuylkill	1 n	; ; ;	1	1	9	•	1	1	288	35	ı	21

	,		Production - Net Tons	- Net To	ns							:	
		Shipped to Market By By	Market :	Sold to Local	Used at Mine for Steam	Total	Armonium Nitrate (Pounds	Dynamite (Pounds	Other	Aver- age Days		No. Non- of Fatal fatal Empl- Acci- Acci-	Non- fatal Acci-
Operators and Mines	County :	Railroad	Truck:	Trade	and Heat	Production:	nsed)	(pesn	(Name)	Worked	oyes	dents de	dents
B-D Mining Co. (continued)													
Total	1 1	65,660	38,018		-	103,678					70		26
B & Z Coal Co.	l												
No. 7 Vein Slope	Northumberland	-	200	22		222		225	ı	35	m	ı	ı
Skidmore Slope	Schuylki11			ı					,	221	1	,	ı
Blaschak Coal Co., Inc. Blaschak Breaker	Schuylki11		1		•				1	242	17		10
Burnite Coal Co. No. 2 & 3 Slope	Columbia	,	3,271	,		3,271	,	1,500	,	230	3	,	
Carbonite Filter Corp.	1100									306	11	1	
Bagging Flant	scnuyikili		ı				,	1	ı		7 7	ı	ı
Locust Gap Bank	Northumberland	-	2,150	,	•	2,150	,		ı	45	2		ı
Cress Coal Co.	Cob11-111	1	2 187		,	7 187	,	1.250	,	240	~	,	,
Deep Mine Coal Co.	ocura terre	ı						î		:			
No. 2 Slope (b)	Northumberland		2,276	252	1	2,528	1	1,300		197	2		ı
Gilberton Coal Co.						0				L	L		
Locust Summit No. 53Bk.	53Bk. Northumberland 85,263	1 85,263	43,559		1 1	128,822				253	0 1		
Ports No. 45 Rank	Columbia/	7,130	6,033		1	100,1				3			
	Schuylki11	2,528	1,291		1	3,819	ı	1	,	64	9	ı	ı
Locust Summit Fine	,									0	i c		000
Coal Plant	Northumberland	- 00	202 67	-	-	17.0 7.03				730	53	.	30
Iotal	Į.	72,701	47,303	•	•	140,492	1						
Bagging Plant	Northumber Land	-		1	1	,	1			252	7	,	10
Great Eastern Coal Corp. Atlas Fine Coal Plant	Northimberland	,	,	,	,	,			1	300	20		5
H. & H. Coal Co.													
Skidmore Slope	Columbia	1		2,057		2,057		1,850		250	3		ı
n. & M. COMI CO. Buck Mt. Slope	Schuylki11	207	246	87	9	546	•	009		70	33	1	ı
Halfway Coal Co.	Sch111	57	802	26.7	7	1.433	,	1.400		237	3	,	ı
J. A. S. Coal Co.	ociic) terre	ĵ.	0	2				î					
Four Foot Slope	Columbia			09	1	09	1	100	1	10	2	1	ı

District 2

			Production	Sold U	us Used at		Ammonium			Aver-	No.	4	Non-
		Shipped to Market By By	o Market :	to Local	Mine for Steam	Total	Nitrate (Pounds	Dynamite (Pounds	Other	age Days		Fatal fatal Acci- Acci-	atal cci-
Operators and Mines	County	Railroad	Truck:	Trade	and Heat	Production:	nseq)	nseq)	(Name)	Worked	oyes	dents	dents
Jeddo-Highland Coal Co. Packer Bank	Schuylki11	9,765	15,052	2,085	146	27,048			,	166	ا 5	•	1 4
Rosa Breaker	Schuylkill	•		-	-	-	-	•	٠	216	27		7
Total		9,765	15,052	2 085	146	27,048	-		-		45		2
Last Try Coal Co. Tracey Vein Slope	Northumber land	- pu	1,251	139	•	1,390	,	1,750	•	106	4	•	ı
Malho Coal Co. Malho Breaker	Schuv1ki11		•	1		,	,	,	,	298	4	٠	,
Metzinger Coal Co.													
No. 4 West Slope	Columbia	11	353	ı	•	364	•	250		69	(9		
No. 7 Ft. Vein Slope	Columbia	313	370	132	6	824		450		30	7	•	
Total	•	324	/23	132	6	1,188		00/	•				1
New Way Coal Co. Orchard Slope	Columbia		4,657	518	,	5,175	1	4,975	,	220	4	٠	
Phoenix Contracting Co.	Cohum11411	,	2 455	,		2.455	•		•	40	2		
Polcovich Coal Co.			2										
Seven Ft. Slope #3	Columbia	2,479	581	775	38	3,873	1	2,300		242	2		
Reading Anthracite Co.										220	10		
Ellangowan No. 45 Bk.	Schuylkill	41,909				4T,909	•	'	•	0/7	70		
St. Nicholas #42	Schnylkf11	•	,		•	•	,	٠		272	2	•	
St. Nicholas #465 Pl.	Schuylkill	•	•		1		•	1		236	33	ı	14
Locust Summit BaggingPl.Northumberland	.Northumberla	- pu	-	-	-		-	-	-	243	9	•	-
Total	•	41,909	1			41,909	-	-	-		29		15
Savitski Bros. Coal Co.						1			•	189	-	,	,
No. I Sharr (c)	Northumberland		•							230	1 7	•	
Savitski Breaker	Northumberland	- 00		'	'					2	2		.
Shallw Coal Co		-											
No. 4 Vein Slope	Northumber land	- pu	1,927	214		2,141	1	1,150	1	218	3	1	,
Wolfgang Bros. Coal Co.					;			000		0,70	~		
Buck Mt. Slope	Columbia	1,419	333	443	22	7,21/		1,900		740	+		
Zakrewsky Coal Co., Inc.	Columbia	97	6.291	977	7	6,790	•	4,500		240	7	1	2
200													
District Total		214,853	139,647	8,877	235	363,612		49,300		225	391	٠	109

			Production - Net Tons	- Net To	suc		1						
				Sold	Used at		٠.	Ammonium			Aver-	No.	-uoN
		Shipped to Market	Market:	to	Mine			Nitrate	Dynamite		age	of	of Fatal fatal
		: By	By :	Local	for Steam	Total		Pounds	(Pounds	Other		Emp1-	Acci- Acci-
and Mines	County	: Railroad	Truck:	Trade	and Heat	Production:		nsed)	(pasn	(Name)	Worked	oyes	dents dents

NO TE:

Used only as a tourist mine. Formerly perfect as the Nucleon N.B.C. Coal Company, which operated for 182 days with 3 employes and produced 2,054 tons. Used only for pumping water to operate the Savitski Breaker. Men included with those at other operations, same company. \* (C (B)

	- 1	,	ı	t		ı	٠	'		,	,	,	1	,	1	1		
	1	1	1	1	1	1	'	•	•	7	٠	-	•	1	•	1		ı
	4	4	5	e	9	4	6	13	3	4	2	6	3	4	3	9		2
	220	84	260	160	240	200	160		240	208	180		240	240	175	240		240
	1,125*	100*	950*	350*	3,000*	,		-	725*	920*	675*	1,625	3,500*	1,025*	,	,		7,200*
	•	1	1	1	1	,		-	,	1	1	-	1	1	,	•		
	1	•	ı	•	•	•	'	1	•	ı	1	-	ı	,	t	ı		
	2,356	108	2,524	452	2,755	,		1	1,805	1,720	1,091	2,811	2,300	2,848		149,820		3,191
District 3			,	ı		1	1	1	,	46	35	81	,	,	,	,		
		ı	,		276	,	-	•	,	856	538	1,394	,	,	ı	,		319
	2,356	108	2,524	452	2,479	•	1	•	1,805	440	285	725	2,300	2,848	•	149,820		2,872
	,		1	1		1	-	-	t	378	233	611	ı	,	1			1
	Northumber Land	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland	Northumberland		Northumberland	Northumberland	Northumberland		Northumberland	Northumberland	Northumber Land	t Co., Inc. Northumberland		Northumberland
	Big L. Coal Co. Zero Vefn Slope	Sig Oak Coal Co. Zero Vein Slope	Bush Coal Co. 11 Vein Rock Slope	C & K Coal Co.  1 Vein Slope	3 Vein Slope	Churchill Coal Corp. Ranshaw Breaker	Ranshaw Washery	Total	Collier Coal 3 Vein Slope	D.R.Z. Coal Co. 5 Vein #2 Slope	5 Vein #3 Slope	Total	F.E.D. Coal Co. 1 Vein Slope	4-D Coal Co. 11 Vein 1 & 2 Slopes	H. J. & H. Coal Co., Inc. Reitz Breaker	Hecla Machinery & Equipment Co., Inc. Trevorton Slush Bank Northumber	K. & K. Coal Co., Inc. 5 & 6 Vns. #9 Tunnel	& Slope

Production - Net Tons Sold Tons Shipped to Market to Tons By By Local ff County Railroad Truck: Trade an	to M	to M	Production - Net Torsian Sold arket to to By Local Truck: Trade	Sold to Local Trade		Used at Mine for Steam and Heat	Total : Production:	Armonium Nitrate (Pounds used)	Dynamite (Pounds used)	Other (Name)	Aver- age Days Worked	No. of Emp1- oyes	Non- Fatal fatal Acci- Acci- dents dents	Non- fatal Acci- dents
K. L. & M. Coal Co. Zero Vein Slope K. & W. Coal Co.	Northumberland	- pu		4,035	ı	1	4,035	,	•	1,975*	220	7	1	1
7 Vein Slope Kerris & Helfrick, Inc.	Northumberland			535	09	ı	595			425*	120	3	•	1
Neilson Bank Glen Burn Breaker	Northumberland Northumberland		224	28	148		007				80	32		
Total			224	28	148	-	400		•	-		35		-
Lenig Crusher Plant M & R Coal Co.	Northumberland	- pu		ı	•		ı	ı	ı	1	140	1	1	
Zero Vein Slope N. & L. Coal Co.	Northumberland	- pu		3,995	30		4,025			1,350*	240	2	1	•
4 Vein Slope North North Mountain Coal Co., Inc.	Northumberland Inc.	- pu		281			281	ı	ı	250*	09	e	1	1
2 Vein Slope	Northumberland	- pu		3,782	•	1	3,782		2,800	2,400*	248	6	ı	1
Fine Line Coal Co. 9½ Vein Drift	Northumberland		1,112	,	838	•	1,950	,	,	*526	240	3	٠	
R & N Coal Co., Inc. R & N Breaker	Northumberland	- pu		1	1	ı	•	ı	ı	,	289	12	1	2
Reading Anthracite to. Trevorton Refuse														
Bank #228	Northumber Land		7,557	3,390	2,245	ı	13,192	1	1	•	208	2	ı	ıc
nevolcom bleaner Total	NOT CHIMIDEL TAI	1	557	3,390	2,245		13,192				200	18		n
Rosini Coal Co. Carbon Run Colliery Breaker	Northumberland	pu		,	,		1	1	ı	,	157	15	,	4
Snyder Coal Co.  1 Vein Slope	Northumberland	- pu		1,880	•	1	1,880	ı	,	*056	180	7	ı	ı
Sunshine Coal Co. Sunshine Breaker	Northumberland	- pu					,	•	,	,	256	2	1	ı
Swift Breaker	Northumberland	- pu		ı		1			1	ı	307	7	1	1
9½ Vein Slope (a)	Northumberland	- pu		987	110		1,097	1	•	2,450*	212	7	•	,

	: Sold	Used at	••	Ammonium			Aver-	No.	Non-
: Shipped to Market		Mine	••	Nitrate	Dynamite		age	of	Fatal fatal
: By By :	: Local		Total :	(Pounds	(Pounds 0	Other	Days	Days Empl- A	Acci- Acci-
Stors and Mines County : Railroad Truc		and Heat	Production:	(pesn		(Name)	Worked	oves	dents dents

(a) This mine was formerly operated by the K.W.Y. Coal Company. K.W.Y. Coal Company operated this mine for 146 days with 3 employes and produced 486 tons of this production.\* Atlas NOTE:

10

193

961

33,375

2,800

202,207

81

5,420

187,202

9,504

District Total

		1		2		1											1					ı		1	1
		ı		ı		ı		ı		ı		ı		ı		ı	ı	-		ı		ı			1
		7		66		œ		11		6		4		œ		4	2	9		2		9		3	1
		249		260		244		239		253		237		211		193)	)			240		257		208	298
		1		1		,		ı		,		,		•		•	1			,				1	1
		3,150		ı		ı		ı		1		850		ı		ı	-	-		1		750		1	,
		ı		1		1				1		1		,		1	1			1		1		1	1
		6,329		1				24,131				1,807		1		9,681		9,681		1		4,134		37,717	1
District 4		1		ı				1		1		12		1		1		1		,		25			,
		1,931		ı		1		ı		1		906		ı		ı	1	1		1		1,836		1	ı
		2,885		1		•		24,131		1		649		1		1		1				1,728		32,738	1
		1,513						1				240				9,681	-	9,681		•		545		4,979	ı
	nership	Schuylk111		:rSchuylkill		Schuylki11		Carbon		Schuylkill		Schuylki11		Schuylki11		Schuylki11			•	Schuylki11		Schuylki11		Schuylki11	Schuylki11
	Bernitsky & Stanulis Partr	Bottom Split Slope Schuyl	Bethlehem Mines Corp.	Greenwood No. 14 BreakerSchuylkill	C.L.S. Coal Co.	Maple Springs Breaker	C. T. Coal Co., Inc.	Nesquehoning Bank	Cass Contracting Co.	Marlin Breaker	Coxe Coal Co.	Woods Drift	DiRenzo Coal Co.	DiRenzo Breaker	Ginther Coal Co.	Lucianna Bank	Lucianna Fine Coal Pl.	Total	Glenn Worth Coal Co.	Glenn Worth Breaker	Hegins Mining Co.	No. 5 Slope	Manbeck Dredging Co.	Eagle Hill Bank Mountain Side Coal Co.	Mountain Side Breaker

District 4

			Production - Net Tons	- Net To	ns								
				Sold	Used at		Ammonium			Aver-	No	~	Non-
		: Shipped to Market	Market :	to	Mine	••	Nitrate	Dynamite		986	of	Fatal fatal	atal
		: Bv	Bv :	Local	for Steam	Total	(Pounds	(Pounds	Other	Davs	Emp1-	Empl- Acci- Acci-	-t-o
Operators and Mines County	nty	: Railroad	Truck:	Trade	and Heat	Production:	(pesn	(pesn	(Name)	Worked	- 1	dents	dents
	;	,		,									
Olenick Bros. Coal Co.	Schuylkill	516	979	258	1	1,421	ı	1,025		200	e	ı	,
	Schuylki11	•	•		1	,	,	1	,	289	10	,	2
		į								i	ì		ı
White Ash Slope Schu Premium Fine Coal Co.	Schuylkill	189	223	79	1	492		250		100	3	ı	ı
Premium Fine Coal Plant Schuylkill	uylki11	1	•	,		1	,	•		258	2	1	
Reading Anthracite Co.													
Pine Knot Refuse #204Bk.Schuylkill	uylki11	4,505	459	1,819		6,783	•	1	1	124	1	,	,
Beechwood Cleaner Plant Schuylkill	uylki11	1	1	ı		•		1	1	235	2	,	1
New St. Nicholas BreakerSchuylkill	uylkill	1	ı		1	1			•	235	32	ı	29
	0 - h11-4-11										į		,
E + o E	uyikiii	7, 505	1	1010	-			1	1	226	27		٥
S. & Z. Coal Co.		4,303	423	1,019	•	6,/83	•				65		36
	Schuylki11	122	1,004	71	2	1.199	1	1.850	,	175	~	,	,
ng Co.					1	î		0000		1	)		
	Schuylki11	2,013	33,936	,	,	35,949	,	1	1	187	9	,	,
ᅩ	uylki11	1,267	672	84		2,023	1	,	1	18	*	1	
ų	uylki11	106	1,794	,	,	1,900	,	,	1	7	*	,	,
	Schuylki11	72	1,211	•	•	1,283	,	,	,	21	*		
7	Schuy1ki11	526	8,868	•	,	9,394	1	1	,	47	4	•	
у.	Schuylki11	2,199	37,077	,		39,276	1	1	,	190	13		
	Schuylkill	872	2,418	65	•	3,339	1	,	,	13	-jc	•	,
Total		7,055	85,976	133		93,164					23		
Skytop Contracting Co., Inc. Skytop Breaker Schu	Schuvlki11	1				1				313	13	,	-
South Tamaqua Coal Pockets. In	nc.									2	1		4
South Tamaqua Breaker Schuylkill	uylki11		1	٠	,	1	1	1	,	302	9	,	1
Tuscarora Coal Corp.													
Tuscarora Breaker Schu	Schuylkill		1		1		•	•	•	221	18		,
	Schuy1ki11	1	-	•	-	-	•	,	•	268	13	•	
10 to			, C		• •			1					
DISCITOCAL		29,340	150,439	7,033	1 t	186,858	•	7,875		242	325	ı	43

\* Men included with those at other operations, same company.

			Production	1	ns		,					*	j
		Shipped to Market By By	o Market By	Sold to Local	Used at Mine for Steam	Total	Ammonium Nitrate (Pounds	Dynamite (Pounds	Other	Aver- age Days	No. of Emp1-	Non- Fatal fatal Acci- Acci-,	Non- fatal Acci-,
Operators and Mines	County	: Railroad	Truck:	Trade	and Heat	Production:	nsed)	(pesn	(Name)	Worked	oyes	dents d	dents
	Schuylki11	493	3,343	1,402	40	5,278	ı		5,500*	247	11		
Buck Mountain Coal Co. Buck Mountain Slope	Schuylki11	225	2,513	1,518	19	4,275	,		1,500	247	3		ı
Middle Split Slope	Schyylkill	1,250	8,228	3,715	120	13,313	1 1	1 1	2,500**	234	14	1 1	
Total	Schuyikiii	9,103	27,102	14,430	364	50,999			10,000	†C7	52		
	Schuylki11	274	77	2,681	43	3,075		,	2,500	252	9		-
a	Schuylki11	59	1,441	54	1	1,555			750	199	3		
D. D. & R. Coal Co. Orchard Drift	Schuylki11	893	3,299	345	10	4,547	,	,	3,500*	229	4	1	ı
	Schuylki11	314	952	966	11	2,273	,	,	2,500**	223	3	ı	,
Frailey Coal Co. No. 2 Tracy Slope	Schuylki11	338	4,598	1,943	71	0,950	1	,	3,500**	251	7	ı	ı
be	Schuylkill Schuylkill	3,749	11.758	139		15.646	1 1		7.500**	20	<sub>ල</sub> ∞	1 1	
otal		3,749	11,758	139	1	15,646		•	7,500		80	1	
01	Schuylki11	645	20,869			21,514	1	ı	4,000**	246	12	ı	,
ins Mining Co. No. 3 Skidmore Slope S H411side Breaker	Schuylkill Schuylkill	029	2,121	2,258	26	5,075	1 1	008,9		257	13	1 1	2
		670	2,121	2,258	26	5,075	1	6,800			19	-	3
Keim & Tallman Coal Co. Otto Bank	Schuylki11		95,462		1	95,462	,	1	1	222	2	,	
orr Coal Co. Buck Mountain Slope	Schuylki11	407	1,265	1,339	15	3,026	1	,	2,500**	247	3	•	ı
01	Schuylki11	•	•	1	,	,	,	ı	,	212	65	•	3
01	Schuylkill	13,745	4,078	892	28	18,743	1	1	16,500**	249	10	1	1
oar co., r	Lucas & Fartners Coal Co., Kay Tracy Slope Schuylkill	294	3,396	1,660	61	5,411	,	,	6,500**	294	7	1	ı

District 5

	Non-	fatal	Acci-	dents		1		-		1	2	2	9			,		n	,		1	;	14 1	1						33	
	_			dents		1	1	1		ı		1	,		1	٠		ı			ı		ı	٠		ı			1	ı	
	No.		Emp I-	oyes		9	4	10	(	ا	16	16	20		4	10		13	6	ı	2		64	9		n	~	r	7	364	
	Aver-	age	Days	Worked		252	122			2 :	240		287		214	238		246	96	i	296	1	257	249		311	25%	1	248	241	
			Other	(Name)		5,000**	2,400**	7,400				-	13,750**		200**	000,9			1		1			5,000		20%×	7. 500	,	2,500**	106,450	
		Dynamite	(Founds	(pasn		1	-	1				-	,						,		1			1			ı			6,800	
	Ammonium	Nitrate	( Founds	(pesn		1	-	•				1				•		,	,		1		1				ı	ı	-		
	••		Total :	Production:		12,740	4,104	16,844	1	665	1	665	24,441		683	6,215			169		1		,	5,835		1,468	338	0000	2,102	311,587	
Ons Head at	Used at	Mine	for Steam	and Heat		4	5	6				-	123		1	1			-	•	1			51		2	٧	Þ	16	868	
1 - Net To	Sold	to	Local	Trade		73	62	135		ı	1	1	2,566		109	1		1						1,468		235	17.0	643	1,129	35,448	
Production - Net Tons	••	o Market :	By :	Truck:		12,261	3,897	16,158	,	999		665	11,976		347	6,029		1	17.0	4	1			4,232		999	0	0,300	764	232,159	
		Shipped to Market	By	Railroad		402	140	542			-		9,776	•	226	186		1	äc	2			ı	84		265	620	5/7	193	43,082	
				County		Schuy1ki11	Schuy 1ki 11			Schuylki11	Schuylkill .		Schuv1ki11		Schuylki11	Schuy1ki11		Schuylki11	Soh116411	Inc.	Schuylki11		Schuylki11	Schuy1ki11		Schuylki11	11771	Schuy IKIII	Schuylki11		
				Operators and Mines	M. S. & W. Coal Co.	No. 2 Slope	Skidmore Slope	Total	Manbeck Dredging Co.	Westwood Bank	Westwood Washery	Total	Mercury Coal Co. No. 4 Mine	Mountain Top Coal Co.	Orchard Slope	Orchard Coal Co. Orchard Slope	Pine Creek Coai Co.	Pine Creek Breaker	Sharp Mountain Coal Co.	Superior Preparation Co	Superior Breaker Schuylkill	Swatara Coal Co.	Swatara Breaker	Iracy Coal Co. No. 1 Slope	Walaitis Coal Co.	No. 3 Slope	Wolfgang Bros. Coal Co.	Woratvla Coal Co.	Middle Split Slope	District Total	

 $<sup>\</sup>star$  Independent  $\star\star$  Dupont @ Men included with those at other operations, same company.

			Production - Net Tons	- Net Tor	ıs								,
				D105	Used at	•••	Ammontum			Aver-	No.		Non-
		: Shipped to Market : By By	By :	to	Mine for Steam	Total	(Pounds	Dynamite (Pounds	Other	age Days	of Emp1-	Fatal fatal Acci- Acci-	fatal Acci-
Operators and Mines	County	: Railroad	Truck:	Trade	and Heat	Production:	used)	(pasn	(Name)	Worked		dents dents	dents
Acme Coal Co.													
L.V. No. 5 Vn Slope	Schuylkill		2,108	1,851	79	4,023			1,400*	211	4		
Mommoth Close	Cohum11411	5.7	1 356	151	ox	1 579		1	**050	120	٣	1	
Franklin Coal Co	ocura turrer		20064	1	•	71767				111	)		
Franklin Breaker	Schuv1k111		,	ı	,	1		,	,	87	9	1	1
G. M. P. Land Co. (a)													
B. & M. Tunnel	Schuy1k111		•	1	•		•	•	,	96	4	ı	ı
Herb Coal Co.													
No. 7 Drift	Schuylkill	114	1,346	954	12	2,426			**006	242	3	,	,
K. M. K. Coal Co.													
D. & R. Slope	Schuylki11	922	4,500	176	57	6,255			4,000,4	254	9	ı	ı
K. R. K. Coal Co.										:			
L.V. #1½ Vn. Slope	Schuylkill		1,627	1,428	20	3,105		ı	1,950**	229	2	ı	
K. & I. Coal Co.		,							Ç L				
No. 3 Vn. Slope	Schuylkill	3	92		1	95	1		20	42		ı	
Kintzel Bros. Coal Co.					,								
L.V. No. 6 Vn. Slope	Schuylkill	342	1,701		9	2,049	ı	ı	425*	249	4	ı	ı
Kocher Coal Co.													
Porter Tunnel	Schuylkil1	72,895	89,296	19,843	204	182,238		71,725#		246	128		97
M. W. Z. Coal Co.													
No. 1 Drift	Schuylkill	2	1,844	1,584	99	3,486			1,850**	265	4	ı	ı
Meadowbrook Coal Co.											•		
Meadowbrook Bank	Dauphin		24,957	ı	ı	24,957				263	m ·		
Meadowbrook Washery	Dauphon	1	1	-	-			-		263	4		,
Total		-	24,957	-	-	24,957		1	-		_		
O'Kay Coal Co.													
Orchard Slope	Schuylkill	974	3,247	3,122	45	7,388	ı	ı	2,000*	268	2	ı	
P. S. R. Coal Co.			0	,	Š				1000		L		
No. I Vn. Slope	Schuy 110111	•	3,4/0	3,040	100	770,0	ı	ı	4,000%	677	n	ı	
Ruck Mountain Slone	Schuvlkill	112	1,528	205	18	1.863	ı	1	950*	95	7	ı	,
S & S Coal Coal Co.													
Buck Mountain Slope	Schuylkill	1	165	144	5	314		1	200*	61	3	ı	ı
S & T Coal Co.													
Schneck Coal Co. Thomas W	Dauphin	80	2,591		ı	2,671		ı	1,350*	210	2	ı	ı
Schneck Breaker	Schuylkill	,	,	,	ı	,	1	1	,	304	œ	ı	,
Shomper Coal Co.	•										,		
L. V. No. 6 Vn. #1Slope Schuylkill	e Schuylkill		17	15	1	33	,	1	,	2	3	1	1

District 6

	Non-	racal Acci-	dents				,		1		1		•		,	86
		or ratal ratal Empl- Acci- Acci-	dents dents		•		'		ı		1		•		1	1
	No.	Emp1-	Worked oves		2	,	3		15		4		4		12	253
	Aver-	age Days	Worked		247		246		200		262		265		320	231
		Other	(Name)		2,800*		4*002		,		3,550*		6,500**		5,100**	71,725 41,675
	David	(Pounds	(pesn		,		,		•		1				-	71,725
	Ammonium	(Pounds	(pesn		1		1				1				_	
	•• •	Total :	Production:		4,635		1,470				6,362	;	7,996		10,214	279,774
ns	Used at	for Steam	and Heat		14		24				41	;	126		51	888
- Net To	Sold	Local	Trade		415		929				1,515	,	3,623		4,014	43,362
Production - Net Tons	M 444	By	Truck:		4,004		770		1		4,793		4,243		5,669	159,414
	. Chinned to Market	By	: Railroad		112						13		4		480	76,110
			County		Dauphin		Dauphin	Inc.	Dauphin		Schuylk111		Schuy 1k111		Schuylki11	
			Operators and Mines	Smeltz Coal Co.	No. 7 Vein Slope	Underkoffler Goal Co.	Buck Mountain Slope	Underkoffler Coal Service, Inc.	Underkoffler Breaker	Wenrich Coal Co.	Buck Mountain Slope	Wolfe Coal Co.	No. 2 Vein Slope	Zimmerman Coal Co., Marlin	Buck Mountain Slope	District Total

Formerly Williamson Coal Company.
Formerly Shade Coal Company.
Atlas
Dupont
Red HC (b) (a) \* \* \* NOTE:

1	1	-		١	1
	1	1			1
19	9	35	c	0	43
252	21			172	196
1,643	749	3,159	000 71	14,220	17,379
228,027	144,557	490,937	11)	97,014	548,551
67,809	2,206	122,128		15,209	137,337
1 1	1 1				
109	56	182			182
67,700	2,150	121,946		13,209	137,155
	1	1			
Bradford	Bradford		,	Sullivan	
Jones & Brague Mining Co. Strip Permit No. 7-38	Strip Permit No. 7-42	Total	Percival, John Strip Permit No. 1087-3	OA Q 4	District Total
	Bradford - 67,700 109 - 67,809 228,027 1,643 -	Bradford - 67,700 109 - 67,809 228,027 1,643 - 252 1 Bradford - 52,096 17 - 52,113 118,353 767 - 252 1 Bradford - 2,150 56 - 2,206 144,557 749 - 21	adford - 67,700 109 - 67,809 228,027 1,643 - 252 1 adford - 52,096 17 - 52,113 118,353 767 - 252 1 adford - 2,150 56 - 2,206 144,557 749 - 21 - 121,946 182 - 122,128 490,937 3,159 - 3	adford - 67,700 109 - 67,809 228,027 1,643 - 252 1 adford - 52,096 17 - 52,113 118,353 767 - 252 1 adford - 2,150 56 - 2,206 144,557 749 - 21 - 121,946 182 - 122,128 499,937 3,159 - 3	Bradford - 67,700 109 - 67,809 228,027 1,643 - 252 1 Bradford - 52,096 17 - 52,113 118,353 767 - 252 1 Bradford - 2,150 56 - 2,206 144,557 749 - 21 - 121,946 182 - 122,128 490,337 3,159 - 3 Sullivan - 15,209 - 15,209 57,614 14,220 - 125

		Production - Net Tons	- Net To	us .								
			Sold	Used at		Ammonium			Aver-	No.	ĕ	Non-
	: Shipped to Market	Market:	to	Mine		Nitrate	Dynamite		age	of	Fatal fatal	tal
	: By	By :	Local	for Steam	Total	(Pounds	(Pounds	Other	Days	Emp 1-	Empl- Acci- Acci-	ci-
Operators and Mines County	: Railroad	Truck:	Trade	and Heat	Production:	(pasn	(pesn	(Name)	Worked	oyes	Worked oyes dents dents	ents
Beltrami Enterprises												
Strip Permit No. 816-14 Luzerne	1,315	619	,		1,934	98,455	•	,	134	7		
F.J. & F. Coal Co.												
Permit No. 1307-4 Luzerne		•	19,730		19,730				130	2		
Kaminski Bros., Inc.												
Permit No.1261-4 Luzerne		•	34,112		34,112	279,450	17,200	1	307	9		
ike Coal Co.												
Strip Permit No. 1431-2 Luzerne	18,779	8,395	442		27,616	1,308,045			210	25		1
Northeast Energy Co.												
Strip Permit No.1267-2 Luzerne		2,610	,	•	2,610	1,200			116	7		
Silverbrook Anthracite, Inc.												
Strip Permit No. 1272-8 Lackawanna		12,430	1		12,430	•			240	3		,
District Total	20,094	24,054	54,284		98,432	98,432 1,687,150	17,200	ı	196	20		1

District 56	 tumbia - 6,720 - 2,500 - 230 4	000 773 cot cc cot 007 0 7% of 341 ct	uvykati 12,173 10,400 5,500 102 33,723 300,000 340 33 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15,360 23,676 3,280 230 42,546 628,900		tumbia - 2,641 2,641 59 2		umbia - 3,030 3,030 8,950 1,700 - 122 5		chuylkill - 1,170 1,170 250 200 - 106 5		nuylki11 - 78,150 321 10 321	- 79,320 79,320 250 200 - 15	15,360 115,387 3,280 230 134,257 638,100 4,400 - 252 76 - 1
	1		1	1		1				kill -		11 = -		15,360
	Columbia Coal & Development Co. Strip Permit No. 1506-1 Columbia	Jeddo-Highland Coal Co.	Strip Permit No. 22-15 Schuylkill Strip Permit No. 22-14 Schuylkill	Total	Jet Coal Co.	Strip Permit No. 3-13 Columbia	L & E Coal Co.	Strip Permit No. 154-4 Columbia	N & L Coal Co.	Strip Permit No.1303-4(a) Schuylkill	Strip Permit No. 1303-6	& 6A Schuylkil	Total	District Total

NOTE: (a) Backfilled July 2, 1979.

District 57

			Production - Net Tons	- Net Ton	Trend of		Ammonium				Ç.	N	Non
		Oh toward to		20.50	Wine at		Ni troto	Dimomit		ı		INC.	- 1
	'	By By By	By :	Loca1	for Steam	Total	(Pounds	(Pounds	0ther	age Days	or Empl- A	ratal ratal Acci- Acci-	ci-
lines	County :	Railroad	Truck:	Trade	and Heat	Production:	(pesn	(pesn	(Name)	ъ	oyes d	dents dents	ents
B & C Coal Co.	Schum1111	1	37 97%	1	1	37 07%		1	1	000	٠,		
Gale Coal Co., Inc.	School think		110610		ı	+16616	ı	ı		700	t		
Strip Permit No. 1100-4A Schuylkill	Schuy1ki11		4,514	,	,	4,514	112,770)	27,547)	14,508)	265)	20)	•	,
Strip Permit No. 1100-6A	Schuylki11		25,985	ı	•	25,985							
Strip Permit No. 1100-7 Schuylkill	Schuylki11	-	5,980	-		5,980	(	`		`			
Total		•	36,479	-		36,479	112,770	27,547	14,508		20		
Gowen Coal Co.													
Strip Permit No. 38-1	Luzerne	8,891	16,221			25,112	316,950	23,841		117	16		
Strip Permit No. 1260-1 Luzerne	Luzerne	,	367	•	,	367	•	150	,	103	2	,	,
Lehigh Valley Anthracite Strip Permit No. 16-14 &													
Shop & Office	Schuv1ki11		•	,		•	•	,	,	273	12		
Strip Permit No. 16-24	Schuylkill	2,788	4,298	595	42	7,723		,	,	161	21		4
Total		2,788	4,298	595	42	7,723					33		4
N & L Coal Co.	1												
Strip Permit No. 1030-2(c)A3	Schuv1k111	,	17.679	,	,	17.679			,	168			
Pacine Coal Co.										2	)		
Strip Permit No. 146-6	Schuylk111	ı	5,546			5,546	17,350	,		197	2		
Pacine Coal Co., Michael J. Strin Permit No. 1176-2													
3 & 5	Schuylki11	,	9,985		ı	9,985	5,700	•		201	2	,	
Peck Coal Co.													
Strip Permit No. 1090-4(a) Schuylkill Reading Anthrocite Co	a) Schuylkill		7,973			7,973	ı			285	4		
Strip Permit No. 23-9	Schuvlki11	10,237	1.086	4, 187	•	15.510	1.113.812	15.000	,	306	13		1
Strip Permit No. 23-27	Schuylkill	19,437	2,061	7,951	•		,481,169		,	215	1 =	,	2
Total		29,674	3,147	12,138	-	44,959 1	,594,981	15,000			24		3
Rodino Trucking, Vito													
Strip Permit No. 1846-1 Schuylkill Skyton Contracting Co Inc.	Schuylkill	1	11,132			11,132				273	2		ı
Strip Permit No. 1580-3 Schuylkill	Schuylki11		•	36,187		36,187	•	•		127	en		
wirght Coal Co. Strip Permit No. 1864-1 Schuylkill	Schuylkill	-	•	106		106	•	•	1	13	2		
District Total	•	41,353	150,801	49,026	42	241,222 2	2,047,751	66,538	14,508	209	119		,

NOTE: (a) Information taken from monthly reports as no Annual Report was submitted.

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			Production - Net Tons	- Net To	ns		A second a second			V.	Q.	Ż	- acM
				Sold	Used at		. Mittel	Drin ami to		Wei-	. y	Fotol fatal	111-
		: Shipped to Market	Market :	to,	Mine		: Nitrate	Dynamice	20440	age Dom	1	Acci.	Accia
Minor	County	: By : Railroad	By : Truck:	Local	and Heat	Production		(Founds)	(Name)	Worked	oyes.		dents
Theracots and itimes													
Beltrami Enterprises							000			156	y		-
Strip Permit No. 816-1	Luzerne	4,127	1,845	97		690,9	188,240			007	0 1	ı	٠,
Strip Permit No. 816-9	Luzerne	070.77	19,689	1,036		64,765	1,788,280			217	16	ı	4
Strip Dermit No. 816=10		11,332	5,066	267	•	16,665	470,600	1	•	342	10	ı	
Stair Downit No. 816-11		55, 194	24,676	1.298		81,168	2,258,880		,	346	11	ı	
Strip Permit No. 816-19		22,709	10,153	534	1	33,396	-	-	1	229	6		
Total		137,402	61,429	3,232	1	202,063	4,706,000				52		2
Bethlehem Mines Corp.													
Panther Valley Divison						101		1	٠	276	7	,	1
Strip Permit No. 33-2/	Carbon	3,385	162 351	1 (	415	462,328	1.742.413	•	9.914*	291	204	1	7
Strip Permit No. 773-11	Schuylkill/		105,331		Q.						, ,		
•	Carbon			1	•		2,507,375	-	8,112*	291	71	-	
Total		302,927	164,171	-	415	467,513	4,249,788	•	18,026		279		4
Brook Contracting Corp.						*		00		200	c		
Strip Permit No. 86-9	Luzerne		91,828	ı	1	97,878	504,550	9,400		667	7		
Jeddo-Highland Coal Co.	10,7	112 707	860 00	37 516	1 555	241 796	١	000.000	,	347	84	1	3
Strip Permit No. 22-6-343Luzerne	+3ruzerne	113,797	00,220	30,110	1,000	203 603	1	000 000 6		350	7.1	,	-
Strip Permit No. 22-8J-44Luzerne	44Luzerne	94,525	75,626	0,170	1,2/4	203,003		100,000	1 1	776			; '
Strip Permit No. 22-10 Luzerne	Luzerne	2,488	2,850	71/7	00	14,100		100,000	1	278	י ר		-
Strip Permit No. 22-12	Luzerne	-	-	-		1 00	-	- 000		210	166		12
Total		213,810	170,404	72,406	2,887	459,507	-	4,500,000	•		TOO		
Kaminski Bros. Coal Co.			1 006		1	1 006	٠	,	,	2.5	7	,	,
Tobiah Wallow Anthrocita	a) nuzerne	ı	1,000	ı		•							
Strip Permit No. 16-7	Luzerne	24.105	7,830	1,586	977	33,967	1	000,009	ı	320	11	,	,
Strip Permit No. 16-8(b) Luzerne	Luzerne		. '	, '	1			•	-	260	2		
Total		24,105	7,830	1,586	977	33,967	1	000,009	-		13		,
Tri- County Land & Coal Co. Strip Permit No. 1624-1 Carbon	Carbon	15.175	42.607	584		58,366	481,600	62,725	1	286	12	,	,
District Total		693,419	539,275	77,808	3,748	1,314,250	9,941,938	5,172,125	18,026	303	974		24

Information taken from monthly reports as no Annual Report was submitted for this operation. Backfilling. H.D.P. #1 Primers (a) \* NOTE:

NOTE: (a) Discontinued business on November 1, 1979.
(b) Backfilling.
(c) Stockpilled.

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District 60

Shipped to Market : to	P	: Ammonium			L		Non-
	a1		Dynamite (Pounds	Other	age of Days Em	1-10	Fatal fatal Acci- Acci-
ıck:	Trade and Heat Produ	Production: used)	(pesn)	(Name)	P		dents dents
- 10,6	10,637 - 10,	10,637	ı	ı	255	2 -	1
118,789 1,5	1,504 - 150,	150,366 164,400	59,278		252 25	10	1
276 -		276 677			10 3	3) -	• •
	7			-		3	
,	1	1	ı		16	- 7	t
- 280,999	)9 -	66,087 741,215	10,642	70,600*	297 50	-	4
- 25,861	- 25	25,861 324,050	10,035	48,790*	297	∞	1
21,173	- 21	21,173 308,650	8,064	39,150* 41,308**	220 10	-	1
113,121	113	113,121 1,373,915	28,741	341,996	89		7
1,014		1,014 -	•	ı	71	2	ı
35,535	- 35	35,535 15,000	1	ı	220 8	00	1
	14, 24, 28, 38	14,395 36,425 24,547 725,484 38,042 761,000	1 1		135 5 240 30	201	1 00 0
000			000		130		
30%	i o	2,200	,				
9,434	. 6	- 6,434	,	,		- +	1
. '		1	١		24.1		1
16,584 63,9	63,965 - 236	236,908 2,370,182	372,670	1	234 89	- 6	29
	í			ı			'n
	•			1		1	1
3,974 15,3	15,330 - 56	56,778 1,071,135	137,200		306 28		7 1
20,858 80,453	ı	297,973 3,916,538	809,920	-	167	7	36

# District 60

	Non-	fatal	Acci-	lents		ı		ı				1		ı	44	
	-	Fatal fatal	Acci- /	Worked oyes dents dents		ı		ı		ı		ı		•	ı	
	No.	Jo	Emp1-	oyes		က		7		m		2		3	340	
	Aver-	age	Days	Worked		220		171		80		118		124	237	
			Other	(Name)		ı		ı		ı		ı		1	341,996	
		Dynamite	(Pounds	(pasn		000,006		ı				ı			692,459 6,244,958 1,800,939 341,996	
	Ammonium	Nitrate	(Pounds	(pesn		ı		ı		3,696		ı		ı	,244,958	
		••	Total :	Production:		2,090		7,236		4,654				1	692,459 6	
suc	Used at	Mine	for Steam	and Heat		27									27	
n - Net To	Sold	to	Local	Trade		392		ı				1		ı	95,986	
Production - Net Tons		Shipped to Market:	By :	Truck:		2,833		2,703		4,654					327,398	
		: Shipped	: By	: Railroad		1,838		4,533		ı					272,048	
				County		Schuylki11		Schuylki11		Schuylkill		Schuylkill		Schuylkill _		
				Operators and Mines	Ryon Realty Co., Inc.	Strip Permit No. 1248-5 Schuylkill	Schuylkill Contracting Co.	Strip Permit No. 36-14 Schuylkill	Socko, William	Strip Permit No. 1278-1 Schuylkil]	Swatara Coal Co.	Strip Permit No. 70-4(a) Schuylkill	W & W Construction Co.	Strip Permit No. 132-2 Schuylkill	District Total	

NOTE: (a) Backfilling

\* Slurry

\*\* Prestex

# ANTHRACITE

BREAKERS,
WASHERIES AND
PREPARATION
PLANTS

## BREAKERS, WASHERIES AND PREPARATION PLANTS

## 1979

## ANTHRACITE REGION

Dis-	Name of Occupation	0		Zip
trict	Name of Operation	Operator	Location	Code
1	Ace Breaker	Ace Anthracite, Inc.	Taylor	18517
1	Alden Cleaning Plant	Silverbrook Anthracite, Inc.	Dupont	18641
1	Anthrapower Breaker	Marvin Enterprises, Inc.	Scranton	18503
1	Apex Preparation Plant	Apex Cleaning Co.	Hunlock Creek	18621
1	Ashley Breaker	Lucky Strike Coal Corp.	Hazleton	18201
2	Atlas Fine Coal Plant	Greater Eastern Coal Corp.	Mt. Carmel	17851
1	Beaver Brook Fine Coal Plant	Beaver Brook Coal Co.	Ringtown	17967
4 2	Beechwood Cleaner Plant	Reading Anthracite Co.	Pottsville	17901
	Blaschak Breaker	Blaschak Coal Co.	Mahanoy City	17948
3 2	Carbon Run Colliery Breaker	Rosini Coal Co.	Shamokin	17872
4	Carbonite Bagging Plant	Carbonite Filter Corp.	Delano	18220
1	DiRenzo Breaker	DiRenzo Coal Co.	Pottsville	17901
1	Duryea Breaker	Popple Brothers	Pittston	18640
1	Eckley Breaker	Beltrami Enterprises	Hazleton	18201
1	Eckley Cleaning Plant	Beltrami Enterprises	Hazleton	18201
	Franklin Breaker	Lucky Strike Coal Corp.	Hazleton	18201
6	Franklin Breaker	Franklin Coal Co.	Ravine	17966
2 2	Gilberton Bagging Plant	Gilberton Energy Corp.	Gilberton	17934
3	Gilberton Fine Coal Plant Glen Burn Breaker	B-D Mining Co.	Gilberton	17934 17801
_		Kerris & Helfrick, Inc.	Sunbury	
4	Glenn Worth Breaker	Glenn Worth Coal Co.	Cressona	17929
1	Gowen Breaker	Gowen Coal Co.	Fern Glen	18241
1	Gowen Cleaning Plant	Gowen Coal Co.	Fern Glen	18241
4	Greenwood No. 14 Breaker	Bethlehem Mines Corp.	Tamaqua	18252
1 5	Hazleton Shaft Breaker	Jeddo-Highland Coal Co.	West Pittston	18643
1	Hillside Breaker Hillside Breaker	Hegins Mining Co.	Zerbe Avoca	17981 18641
1		Kaminski Bros., Inc.		18201
1	Honeybrook Breaker Jeddo No. 7 Breaker	Beltrami Enterprises Jeddo Highland Coal Co.	Hazleton West Pittston	18643
1	Kassa Breaker	Silverbrook Anthracite, Inc.	Dupont	18641
5	Kocher Breaker	Leon E. Kocher Coal Co.	Valley View	17983
1	Lattimer Fine Coal Plant	Lattimer Associates, Ltd.	Hazleton	18201
1	Laurel Breaker	Northeast Energy Co.	Kingston	18704
3	Lenig Crusher Plant	Lenig Coal	Shamokin	17872
1	Lion Breaker	Jeddo-Highland Coal Co.	West Pittston	18643
2	Locust Summit Bagging Plant	Reading Anthracite Co.	Pottsville	17901
2	Locust Summit Fine Coal Plant	Gilberton Coal Co.	Gilberton	17934
1	Loree Breaker	Heavy Medix, Inc.	Larksville	18051
4	Lucianna Fine Coal Plant	Ginther Coal Co.	Hazleton	18201
4	Lytle Washery	Winne Land Co., Inc.	Pottsville	17901
2	Malho Breaker	Malho Coal Co.	Lavelle	17981
4	Maple Spring Breaker	C.L.S. Coal Co.	Branchdale	17923
4	Marlin Breaker	Cass Contracting Co.	Pottsville	17901
1	Marvine Bagging Plant	Beltrami Enterprises	Hazleton	18201
1	Mazaika Breaker	Mazaika Bros. Coal Co.	Tamaqua	18252
6	Meadowbrook Washery	Meadowbrook Coal Co.	Lykens	17048
1	Mildred Breaker	P & M Mining Co.	Mildred	18632
1	Moosic Breaker	Moosic Coal Co.	Moosic	18507
4	Mountain Side Breaker	Mountain Side Coal Co.	Tamaqua	18252
4	New St. Nicholas Breaker	Reading Anthracite Co.	Pottsville	17901
4	New St. Nicholas Fine Coal Plant	Reading Anthracite Co.	Pottsville	17901
4	Olenick Breaker	Olenick Bros. Coal Co.	Pottsville	17901
5	Pine Creek Breaker	Pine Creek Coal Co.	Spring Glen	17978
1	Pompey Breaker	C.J.C. Coal Co.	Jessup	18434
4	Premium Fine Coal Plant	Premium Fine Coal Co., Inc.	Tamaqua	18252
1	Prospect Cleaning Plant	Jeddo-Highland Coal Co.	West Pittston	18643
3	R & N Breaker	R & N Coal Co., Inc.	Paxinos	17860
3	Ranshaw Breaker	Churchill Coal Corp.	Ranshaw	17866
3	Ranshaw Washery	Churchill Coal Corp.	Ranshaw	17866
3	Reitz Breaker	H. J. & H. Coal Co., Inc.	Sunbury	17801
2	Rosa Breaker	Jeddo-Highland Coal Co.	Pittston	18640
2	Savitski Breaker	Savitski Bros. Coal Co.	Atlas	17851
2	St. Nicholas No. 4 & No. 5	Reading Anthracite Co.	Pottsville	17901
6	Schneck Breaker	Thomas W. Schneck Coal Co.	Suedberg	17963
4	Skytop Breaker	Skytop Coal Co.	Mahanoy City	17948

Dis-				Zip
trict	Name of Operation	Operator	Location	Code
4	South Tamaqua Breaker	South Tamaqua Coal Pockets	Tamaqua	18252
3	Sunshine Breaker	Sunshine Coal Co.	Trevorton	17881
5	Superior Breaker	Superior Preparation Co., Inc.	Hegins	17938
5	Swatara Breaker	Swatara Coal Co.	Zerbe	17981
3	Swift Breaker	Swift Coal Co., Inc.	Paxinos	17860
1	Tedesco Breaker	Tedesco Bros. Coal Co.	Pardeesville	18243
3	Trevorton Breaker	Reading Anthracite Co.	Pottsville	17901
4	Tuscarora Breaker	Tuscarora Coal Corp.	New Philadelphia	17959
6	Underkoffler Breaker	Underkoffler Coal Sales	Lykens	17048
1	Waddell Washery	American Silt Processing	Archbald	18403
1	Wanamie No. 19 Cleaning Plant	LuckyStrike Coal Corp.	Hazleton	18201
5	Westwood Washery	Manheck Dredging Co.	Toliett	17981



# **ANTHRACITE OPERATORS**

# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

## ANTHRACITE OPERATORS--1979

DM - Denotes companies having deep mines.

\* - Denotes companies having strip mines.

bk - Denotes companies having bank operations.

CP - Denotes cleaning plants.

FCP - Denotes fine coal plants.

W - Denotes washeries.

B - Denotes breaker preparation plants.

T - Denotes tourist mine.

Dietriet	Company	Company 1 Comp	A 33		Zip
District 2	A & H Coal Co. DM	General Supt.	Address		Code
		Roy E. Harner	/10 C C+	1 0	17978
1 6	Ace Anthracite, Inc. B	John Pasternak	419 Center St.	,	18517
	Acme Coal Co. DM	Joseph Reho	D-411 Co		17098
1	American Silt Processing Co. W	Helen Munley	Railroad St.		18403
1	Apex Cleaning Co. CP	George Socher	Rt. 11, Box 13		18621
2	Ashland Community Enterprises T				17921
57	B & C Coal Co.*	M. Burns	430 W. Main		17935
2	B-D Mining Co. FCP,bk	Geary C. Hower	1/00 7 1 0.		17934
2	B & Z Coal Co. DM	Albert Zigarski	1433 Poplar St.		17834
1	Beaver Brook Coal Co. FCP	Norman James	West Main St.	Ringtown	17967
5	Behm Coal Co., John DM	Marvin Kimmel		Tremont	17981
60	Bell Coal Co.*	A. Kovalchick	411 Schuylkill	Tamaqua	18252
1,53,58	Beltrami Enterprises B,CP,bk,*	Franklin Pascucci		Hazleton	18201
4	Bernitsky & Stanulis Part. DM	Jos. Bernitsky	17 Water St.	New Phila.	17959
4,58	Bethlehem Mines Corp. B,*	A. F. MacDonald	P. O. Box 269	Tamaqua	18252
3	Big L Coal Co. DM	James Lenig	R.D., Box 227-B	Shamokin	17872
3	Big Oak Coal Co. DM	Dennis Snyder	R.D. 2, Box 46-A		17938
2	Blaschak Bros. DM	John Blaschak	St. Nicholas	Mahanoy City	17948
2	Blaschak Coal Co., Inc. B	Walter Blaschak	St. Nicholas	Mahanoy City	17948
1	Bone Construction Co. bk	Geo. Bone, Jr.	98 New St.	Pittston	18640
58	Brook Contracting Corp. *	George Racho	P. O. Box 98	Hazleton	18201
5	Buck Mt. Coal Co. DM	Louis Graver	R. D. 2	Pine Grove	17963
2	Burnite Coal Co. DM	Wm. Reiff	803 Walnut St.	Ashland	17921
3	Bush Coal Co. DM	Wm. Lytle	240 S. Wood St.	Shamokin	17872
5	Bush Coal Co. DM	Ronald Bush	Box 58	Tower City	17980
1	C.J.C. Coal Co. B,bk	Louis Coccodrilli	P. O. Box 84	Jessup	18434
3	C. & K. Coal Co. DM	Kermit Mace	Box 172, Water St	.Pillow	17080
5	C. L. P. Coal Co. DM	Paul Platko	R. D. 1	Pottsville	17901
4	C.L.S. Coal Co. B	M. A. Raczkowski	P. O. Box 396	Branchdale	17923
60	C-L-S Coal Co. *	Frederick Roehrig	P. O. Box 98	Hazleton	18201
6	C. S. S. Coal Co. DM	George Salads	1250 W. Main St.	Valley View	17983
4	C. T. Coal Co., Inc. bk	Cliff McGeehan	R. D. 1	Nesquehoning	18240
2	Carbonite Filter Corp. CP	G. Robert McMinn	P. O. Box 1	Delano	18220
1	Carrier Coal Co. bk	Francis McAndrew	P. O. Box 1003	Wilkes-Barre	18703
4	Cass Contracting Co. B	J. V. Ryan	R.D. 2, Box 2312	Pottsville	17901
3	Chestnut Coal Co. DM	Michael Shingara	R.D. 3, Box 142	Sunbury	17801
2,3,59	Churchill Coal Corp. B, W, bk,*	Peter Pastusic	P. O. Box 5	Ranshaw	17866
5	Colket Coal Co. DM	John Messaros	School Row 117	Branchdale	17923
3	Collier Coal DM	Clair Collier	1349 W. Pine St.	Shamokin	17872
56	Columbia Coal & Dev. Co. *	Warren C. Troup	Box 1309	Centralia	17927
59	Conyngham Contr. Co., Inc. *	Wm. Farley	P. O. Box 173	Ashland	17921
4	Coxe Coal Co. DM	John Nolan	R. D. 1	Sch. Haven	17972
2	Cress Coal Co. DM	Charles Cress	100 E. Main St.	Big Mine Run	17921
5	D. D. & R. Coal Co. DM	Robt. Donofrio		Tremont	17981
60	D & F Coal Co.*	F. G. Roehrig	P. O. Box 298	Minersville	17954
3	D.R.Z. Coal Co. DM	A. Shallamanda	500 Warsaw St.	Marion Heights	17832
2	Deep Mine Coal Co. DM	Edward Linkus, Jr.	R.D. 2, Box 102A	Shamokin	17872
5	Dembinsky Coal Co. DM	Nich. Dembinsky	315 Pine Hill St		17954
4	DiRenzo Coal Co. B	Paul DiRenzo	R. D. 4	Pottsville	17901
60	Drew Development Co. *	A. J. Drebitko	Drawer F	Minersville	17954
3	F. E. D. Coal Co. DM	Edward Shingara	R. D. 3	Sunbury	17801
53	F. J. & F. Coal Co. *		P. O. Box 1	Nanticoke	18634
3	4-D Coal Co. DM	Randall Derck	1313 W. Spruce	Shamokin	17872
5	Frailey Coal Co. DM	Vyron Warren	R. D. 3	Pine Grove	17963
6	Franklin Coal Co. B	F. I. Miller, Jr.		Ravine	17966
59	G & B Coal Co. *	Henry J. Bernas	132 E. 2nd St.	Mt. Carmel	17851
1		Raymond Giza	339 Highway 315		18640
_		,			

					Zip
	Company	General Supt.	Address	7	Code
6,60	G.M.P. Land Co. DM *	Michael Usuka	1935 W. Market	Pottsville	17901
57	Gale Coal Co., Inc. *	Kermit K. Mantz	P. O. Box 73	Port Carbon	17965
2	Gilberton Coal Co. FCP,bk	Geary C. Hower		Gilberton	17934
2	Gilberton Energy Corp. CP	Geary C. Hower	D 0 D 010	Gilberton	17934
4	Ginther Coal Co. FCP,bk	David Bressler	P. O. Box 219	Hazleton	18201
4	Glenn Worth Coal Co. B	Edward W. Hoke		Cressona	17929
1,57	Gowen Coal Co. B,CP,*	Geo. Boyder, Jr.	n o n /11	Fern Glen	18241
1,2	Great Eastern Coal Corp. FCP,bk		P. O. Box 411	Mt. Carmel	17851
2	H & H Coal Co. DM	Raymond Horan	R.D. 2, Box 503A		17901
3	H. J. & H. Coal Co., Inc. B	Joseph Reitz	125 Bridge Ave.	Sunbury	17801
2	H & M Coal Co. DM	Harry David	R. D. 1	Sch. Haven	17972
5	H. & S. Coal Co. DM	John Harman	R. D. 1	Hegins	17938
2	Halfway Coal Co. DM	Daniel Fedako	1915 Race St.	Ashland	17921
5	Hatter Coal Co. DM	Jacques Hatter	160 N -1 '++ C+	Hegins	17938
1	Heavy Media, Inc. B,bk	R. E. Temple	160 Nesbitt St.	Larksville	18651
3	Heckla Mach. & Equip. Co.Inc.bk		R. D. 1	New Ringold	17960
4,5	Hegins Mining Co. DM, B	Forrest Otto	R. D. 1	Hegins	17938
6	Herb Coal Co. DM	Dale Herb	Box 83	Tremont	17981
2	J.A.S. Coal Co. DM	Andrew Studlack	R.D. 1, Box 1506		17901
1 2 56 5	Jaymar Contracting Co. *	Jos. Lescavage	318 Valley St.	Port Carbon	17965 18643
56	<pre>8Jeddo-Highland Coal Co.B,CP,bk* Jet Coal Co. *</pre>		800 Exeter Ave.	West Pittston	17851
		Anthony Pavoris	Natalie Road	Strong	
50 59	Jones & Brague Mining Co. *	Raymond F. Brague			16912
60	K. B. & S. Contracting Co. *	Glenn Brass	P. O. Box 249	Mt. Carmel	17851
3	K & K Coal Co. *	Ronald Kuperavage Lawrence Morata			17965 17834
3	K. & K. Coal Co., Inc. DM		1053 Spruce St.		17872
6	K. L. & M. Coal Co. DM K. M. K. Coal Co. DM	John Lenig Dennis Mace	R.D. 1, Box 227B		17978
6				Spring Glen Joliett	
6	K. R. K. Coal Co. DM	John Kroh			17981
3	K. & T. Coal Co. DM K. & W. Coal Co. DM	Ray Bair Robt. Kobonick	Pow 61	Williamstown	17098 17872
			Box 61	Shamokin	
5		Walter Kozak	378 State Road	Avoca	18641
3,59		Ralph A. Keim Daniel Kerris	D O Por F	Tower City	17980
6	Kerris & Helfrick, Inc. B,bk,* Kintzel Bros. Coal Co. DM	Nathan Kintzel	P. O. Box F R. D.	Shamokin Pine Grove	17852 17963
57	Klemow, Harold *	Harold Klemow		Hazleton	18201
5	Knorr Coal Co. DM	Leroy Knorr	103 Harding St. R. D. 1	Hegins	17938
5,6,60	Kocher Coal Co. DM, B,*	R. W. Rissinger	Box 127	Valley View	17983
60	Komitsky Coal Co. *	M. T. Tobin, Jr.	136 Broad St.	St. Clair	17970
60 '	Kuperavage, Joseph *	Jos. Kuperavage	916 Park Ave.	Port Carbon	17901
56	L & E Coal Co. *	F. P. Ghilardi	Box 1312	Centralia	17927
2	Last Try Coal Co. DM	Thos. Martin	P. O. Box 324	Minersville	17954
1	Lattimer Associates, Ltd. FCP, bk		310 N.E. Bk.Bldg.		18201
57,58	Lehigh Valley Anthracite *	Louis Pagnotti	800 Exeter Ave.	West Pittston	18643
3	Lenig Coal CP	Calvin V. Lenig	R.D. 1, Box 117A		17872
1	Linsinbigler Coal Co. bk	J. Linsinbigler	203 Cordon Ave.	Carbondale	18407
5	Lucas Mining Co. DM	Larry Lucas		Klingerstown	17941
5	Lucas & Partners Coal Co., Ray DM		525 W. Center St.		17981
1,53	Lucky Strike Coal Corp. B, CP, *			Hazleton	18201
3	M & R Coal Co. DM	Donald Rebuck	R.D. 1, Box 32A		17823
5	M. S. & W. Coal Co. DM	Gene Wolfgang	,	Good Spring	17978
6	M. W. Z. Coal Co. DM	Henry Maidenford		Joliett	17981
2	Malho Coal Co. B	Ralph Malho		Lavelle	17943
4,5	Manbeck Dredging Co. W,bk	Daniel Koury	Rr.218 E.Liberty	Sch. Haven	17972
1	Marvin Enterprises, Inc. B	V. J. Metallo	Keyser & Phila.	Scranton	18504
1	Mazaika Bros. Coal Co. B	David Mazaika	R. D. 2	Tamaqua	18252
6	Meadowbrook Coal Co. W,bk	Leslie Kimmel		Lykens	17048
5	Mercury Coal Co. DM	Leon Richter		Donaldson	17981
2	Metzinger Coal Co. DM	Donald Metzinger	R. D. 2	Ashland	17921
1	Moosic Coal Co. B	A. Giarratano	1000 Spring Brook	Moosic	18507
4	Mountain Side Coal Co. B	Roy Hable	648½ E. Broad	Tamaqua	18252
5	Mountain Top Coal Co. DM	William Vesay		Minersville	17954
3	N. & L. Coal Co. DM	Anthony Novrocki	R.D. 1, Box 212		17860
56,57	N & L Coal Co. *	John Rosinski	500 Hoffman Blvd.		17921
2	New Way Coal Co. DM	Darvin Smith	R.D. 1, Box 618	Ashland	17921
4	Niadna Coal Co. DM	Frank Niadna	146 Water St.	New Phila.	17959
3	North Mountain Coal Co., Inc. DM		1237 W. Nelson	Shamokin	17872
1,53	Northeast Energy Co. B,*	Wm. H. Corgan	254 Johnson St.	Wilkes-Barre	18702
6	O'Kay Coal Co. DM	Leonard Harner		Spring Glen	17978
4	Olenick Bros. Coal Co. B	Nicholas Olenick	R.D. 1, Box 1405		17901
5	Orchard Coal Co. DM	Franklin Lucas		Pine Grove	17963
4	P. & H. Coal Co. DM	Walter Pewor	R.D. 2, Box 550		17901

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District	Company	General Supt	Address		Zip Code-
1	P & M Mining Co. B	John Percival	P. O. Box 206	Mildred	18632
6	P. S. R. Coal Co. DM	Peter Poletti		Valley View	17983
57	Pacine Coal Co. *	Carl M. Pacine	Moss Glen Rd.	Brockton	17925
57	Pacine Coal Co., Michael J. *	M. J. Pacine	Water St.	Cumbola	17930
60	Parschantel Energy, Inc.*	P. M. Joulwan	11 County Club		
			Place West	Camp Hill	17011
6	Peacock Coal Co. DM	Clayton Shade		Sacramento	17968
57	Peck Coal Co., Joseph *	Joseph Peck	2000 Market St.	Philadelphia	19103
50	Percival, John *	J. S. Percival	Box 206	Mildred	18632
2 5	Phoenix Contracting Co. bk	Robt. P. Jones	P. O. Box 433	Pottsville	17901
3	Pine Creek Coal Co. B Pine Line Coal Co. DM	Ronald Klinger Metro Kokolas	426 Water St.	Spring Glen Ranshaw	17978 17866
2	Polcovich Coal Co. DM	John Polcovich	420 Water St.	Centralia	17927
1	Pollock, Inc., Ken bk	Geo. E. Sorber	Rt. 11, Box 13		18621
1	Popple Brothers B,bk	Raymond Popple	490 N. Main St.	Pittston	18640
1,4	Premium Fine Coal Co. FCP,bk	John Fiderak	P. O. Box 1111	Tamaqua	18252
3	R & N Coal Co., Inc. B	Elwood Swank	R.D. 1, Box 336C		17860
2,3,4,57			,		
59,60	Reading Anthracite Co.B, CP, bk*	Harry M. Hale	200 Mahantongo	Pottsville	17901
57	Rodino Trucking, Vito *	Vito Rodino		Haddock	18201
3,59	Rosini Coal Co. B,*	E. J. Rosini	P. O. Box 184	Shamokin	17872
60	Ryon Realty Co., Inc. *	Alfred Marks	200 E.Norwegian	Pottsville	17901
6	S. & S. Coal Co. DM	Wm. Showers		Williamstown	17098
6	S. & T. Coal Co. DM	Alvin Bixler		Valley View	17983
4	S. & Z. Coal Co. DM	Edward Sorokach	R.D. 2, Box 516		17901
2 6	Savitski Bros. Coal Co. DM,B	Anthony Savitski	Forrest & Mulbers		17851
	Schneck Coal Co., Thos. W. B	Thos. W. Schneck	R. D. 1	Pine Grove	17963
4,60 2	Schuylkill Contr. Co. bk,* Shally Coal Co. DM	J. V. Ryan Jos. Shalamanda	R.D. 2, Box 2311 R.D. 2, Box 76	Ashland	17901 17921
5	Sharp Mountain Coal Co. DM	Howard Kopenhaver		Tremont	17981
6	Shomper Coal Co. DM	Russell Shomper	11 01 201 127	Williamstown	17098
1,53	Silverbrook Anthracite,				
-	Inc. CP,B,bk,*	Michael Kassa	322 Simpson St.	Dupont	18641
4,57	Skytop Contr. Co., Inc. B,*	F. J. DiCasimirro	P. O. Box 330	Mahanoy City	17948
6	Smeltz Coal Co. DM	Clair Schwalm		Valley View	17983
3	Snyder Coal Co. DM	Dennis Snyder	R.D. 2, Box 46A	Hegins	17938
60	Socko, William *	Wm. Socko		Forestville	16735
59 4	Sosnoski Coal Co., Michael G. * South Tamaqua Coal Pockets,	M. G. Sosnoski	221 Melrose St.	Marion Heights	
	Inc. B	C. Warne, Jr.	R.D. 3, Box 14	Tamaqua	18252
59	Split Vein Coal Co., Inc. *	Elwood Swank	R.D. 1, Box 336C		17860
3	Sunshine Coal Co. B	Paul H. Reed	P. 0. Box 502	Trevorton	17881
5 5,60	Superior Prep. Co., Inc. B Swatara Coal Co. B,*	Joseph Blyler Wm. Parker	R. D. 1 Box G	Hegins Minersville	17938 17954
3	Swift Coal Sales, Inc. B	Adam Swift, Jr.	R. D.	Paxinos	17860
ĭ	Tedesco Bros. Coal Co. B,bk	Frank Tedesco	P. O. Box 4	Pardeesville	18243
5	Tracy Coal Co. DM	Randy Rothermel	R. D. 1	Klingerstown	17941
58	Tri-County Land & Coal Co. *	C. E. Wezner	P. O. Box 98	Hazleton	18201
4	Tuscarora Coal Corp. B	J. J. Parker	P. O. Box 447	New Phila.	17959
6	Underkoffler Coal Co. DM	Glen Underkoffler		Williamstown	17098
6	Underkoffler Coal Service, Inc. B	W. Swartzlander		Lykens	17048
60	W & W Construction Co. *	Jos. Walacavage	R.D. 1, Box 1632	Pottsville	17901
5	Walaitis Coal Co. DM	John Walaitis	P. O. Box 12	Frackville	17931
6	Wenrich Coal Co. DM	Whalen Wenrich		Spring Glen	17978
4	Winne Land Co., Inc. W	Robert Bickle	R.D. 2, Box 2312		17901
6	Wolfe Coal Co. DM	Thos. I. Wolfe	220 1/	Pine Grove	17963
2,5	Wolfgang Bros. Coal Co. DM	Marlin Wolfgang	339 Martin St.	Tower City	17980 17944
5 57	Woratyla Coal Co. DM Wright Contracting Co.*	Andrew Woratyla John Rosinski	P. O. Box 2 500 Hoffman Blvd	Llwellyn Ashland	17944
3	Z. & Z. Coal Co. DM	Albert Zigarski	R.D. 2, Box 36	Shamokin	17872
2	Zakrewsky Coal Co., Inc. DM	Peter Zakrewsky	Box 293, Park Cr.		18214
6	Zimmerman Coal Co., Marlin DM		,	Ravine	17966
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# BITUMINOUS COAL REGION STATISTICAL REPORTS

# Production, Employes, Fatalities, 1877 to 1979

Year	Production (Net Tons)*	Stripping Production	Em- ployes	Fatal- ities	Produc- tion Per Fatal- ity	Fatal- ities Per 1000 Em- ployes	Fatal- ities Per 1,000,000 Tons Pro- duced	No. of Mine In- spec- tors
				13	100,456	0.78	9.95	3
1877 1878	1,305,932 12,500,741	-	16,627 25,787	48	260,432	1.86	3.84	3
1879	14,341,369	_	27,286	55	242,570	2.01	3.84	3
1880	16,564,440	-	33,391	48	345,092	1.43	2.90	3
1881	15,916,123	-	35,530	57	279,230	1.60	3.58	4
1882	20,694,110	-	42,393	94	220,150	2.22	4.54	4
1883	18,729,817	-	35,091	54	346,848	1.54	2.88	6
1884	20,553,090	-	39,904	105	195,744	2.63	5.11	6
1885	23,413,692	-	44,145	83	282,092	1.88	3.54	8 8
1886 1887	27,107,173 29,966,855	-	52,364 57,868	74 84	366,313 356,748	1.41 1.45	2.73 2.80	8
1888	33,772,286	_	61,565	90	375,248	1.46	2.66	8
1889	34,625,054	-	62,084	105	329,762	1.69	3.03	8
1890	40,884,103	-	67,383	146	273,179	2.17	3.57	8
1891	41,805,642	-	74,135	237	176,395	3.20	5.67	8
1892	46,581,575	-	78,805	134	347,623	1.70	2.88	8
1893	43,421,898	-	81,872	131	334,015	1.60	3.02	10
1894	39,800,210	-	86,118	123	320,969	1.43	3.09	10
1895	51,818,112	-	84,976	156 180	332,167	1.84	3.01	10 10
1896 1897	50,284,692 54,625,272	_	83,801 86,553	150	279,359 364,168	2.15 1.73	3.58 2.75	10
1898	64,247,665		87,803	200	321,238	2.28	3.11	10
1899	73,066,945	-	91,505	258	283,205	2.82	3.53	10
1900	79,318,362	-	108,735	265	299,315	2.44	3.34	10
1901	80,914,236	-	117,501	301	268,818	2.56	3.72	12
1902	98,529,122	-	135,611	456	216,072	3.36	4.63	12
1903	103,713,982	-	151,745	402	257,995	2.65	3.88	15
1904	99,600,167	-	155,747	536	185,821	3.44	5.38	15
1905	119,361,514	-	164,941	479	249,189	2.90	4.01	16
1906 1907	129,532,989 149,559,047	-	172,928	477 806	271,557	2.76	3.68 5.39	18 20
1907	114,937,375	-	183,121 181,840	572	185,557 200,939	4.40 3.15	4.98	20
1909	136,205,695	_	185,921	506	269,181	2.72	3.71	21
1910	148,770,858	-	193,488	539	276,013	2.79	3.62	21
1911	142,189,329	-	182,653	515	276,096	2.82	3.62	25
1912	160,830,492	-	182,642	446	360,606	2.44	2.77	26
1913	172,965,659	-	189,909	611	283,086	3.22	3.53	28
1914	145,884,530	-	196,038	413	353,231	2.11	2.83	28
1915	157,420,068	-	187,734	442	356,154	2.35	2.81	30
1916 1917	169,123,814 171,074,411		174,304	436 494	387,899	2.50	2.58	30
1918	177,217,294		186,586 181,678	494	346,304 358,739	2.65 2.72	2.89 2.79	30 30
1919	147,085,781	_	180,831	401	366,797	2.22	2.73	30
1920	166,929,002	-	184,168	424	393,700	2.30	2.54	30
1921	114,447,134	-	200,419	284	402,983	1.42	2.48	30
1922	108,310,046	-	194,630	424	255,448	2.18	3.91	30
1923	169,181,137	-	200,538	401	421,898	2.00	2.37	30
1924	128,751,028	-	174,469	345	373,191	1.98	2.68	30
1925	135,266,612	-	165,586	312	433,547	1.88	2.31	30
1926	151,746,464	-	164,782	421	360,443	2.55	2.77	30
1927 1928	131,644,922 129,846,153	-	158,204	355 508	370,831	2.24 3.68	2.70 3.91	30 30
1929	142,351,359	-	137,944 135,272	378	255,603 376,591	2.79	2.66	30
1930	123,417,850	-	133,703	296	416,952	2.21	2.40	30
1931	96,844,250	-	119,265	208	465,597	1.74	2.15	30
1932	74,162,485	-	106,597	155	478,468	1.45	2.09	30
1933	78,511,846	-	116,917	135	581,569	1.15	1.72	26
1934	89,592,481	-	127,868	157	570,653	1.23	1.75	26
1935	91,140,273	-	129,346	161	566,089	1.24	1.77	26
1936	108,964,865	-	133,914	190	573,499	1.42	1.74	26
1937	110,417,947	-	133,487	186	593,645	1.39	1.68	25

							Fatal-	
						Fatal-	ities	
					Produc-	ities	Per	No. of
					tion	Per	1,000,000	Mine
					Per	1000	Tons	In-
	Production	Stripping	Em-	Fatal-		Em-	Pro-	spec-
Year	(Net Tons)*	Production	ployes	ities	ity	ployes	duced	tors
1ear	(NEC TONS)"	TIOGUCCION	proyes	ILIES	10)	projes	daced	2013
1938	76,881,944	-	115,347	119	646,067	1.03	1.55	25
1939	89,397,222	2,792,966	117,959	120	744,977	1.02	1.34	25
1940	111,416,916	2,808,607	117,832	188	592,643	1.60	1.69	25
1941	127,469,207	6,479,207	124,941	166	767,887	1.33	1.30	23
1942	142,759,573	10,303,160	115,451	187	763,420	1.62	1.31	27
1943	139,801,363	17,177,054	105,903	178	785,401	1.68	1.27	26
1944	144,408,418	22,211,661	99,942	164	880,539	1.64	1.14	25
1945	130,696,854	26,675,095	98,764	141	926,928	1.43	1.08	27
1946	123,587,065	31,027,425	103,894	128	965,524	1.23	1.04	27
1947	144,761,964	35,946,734	109,202	134	1,080,313	1.23	0.93	27
1948	130,627,789	33,483,099	110,326	114	1,145,857	1.03	0.87	27
1949	87,351,892	21,326,389	100,119	65	1,343,875	0.65	0.74	29
1950	103,439,887	25,460,343	94,514	83	1,246,264	0.88	0.80	29
1951	106,680,097	22,688,543	86,369	70	1,524,011	0.81	0.66	28
1952	87,308,999	19,462,498	76,676	63	1,385,857	0.82	0.72	30
1953	91,938,156	19,538,037	69,126	67	1,372,211	0.97	0.73	30
1954	70,823,985	16,954,885	55,405	44	1,609,636	0.79	0.62	29
1955**	85,042,677	19,212,869	52,103	50	1,700,854	0.96	0.59	27
1956	88,595,658	21,694,916	50,529	51	1,737,170	1.01	0.58	26
1957	84,064,493	20,558,733	46,989	53	1,586,123	1.13	0.63	30
1958	67,398,564	19,548,293	41,309	32	2,106,205	0.77	0.47	31
1959	65,627,585	20,506,999	37,337	35	1,875,074	0.94	0.53	31
1960	65,595,999	21,028,887	33,396	26	2,522,923	0.78	0.40	29
1961	63,171,313	20,892,758	29,633	22	2,871,423	0.74	0.35	26
1962	65,648,015	22,235,984	27,264	59	1,112,678	2.16	0.90	28
1963	71,258,957	24,233,668	26,216	21	3,393,284	0.80	0.29	30
1964	77,321,793	24,019,760	26,008	18	4,295,655	0.69	0.23	30
1965	80,119,548	23,681,102	25,206	33	2,427,865	1.31	0.41	32
1966	81,449,647	24,701,150	24,729	28	2,908,916	1.13	0.34	33
1967	79,101,385	21,729,033	23,811	27	2,929,681	1.13	0.34	33
1968	75,714,611	20,512,477	23,117	29	2,610,849	1.25	0.38	33
1969	78,185,036	21,652,731	22,969	25	3,127,401	1.09	0.32	33
1970	80,091,922	24,161,015	24,667	30	2,669,731	1.21	0.37	42
1971	71,776,681	26,861,508	26,549	32	2,243,021	1.21	0.45	42
1972	75,863,137	25,717,040	25,627	19	3,992,797	0.74	0.25	45
1973	76,796,661	29,326,629	26,722	17	4,517,450	0.64	0.22	45
1974	80,042,191	36,056,422	29,108	20	4,002,109	0.68	0.24	45
1975	84,479,031	37,577,930	34,170	17	4,969,354	0.49	0.20	45
1976	85,747,874	40,242,401	36,240	19	4,513,046	0.52	0.22	49
1977	86,421,876	46,605,297	38,307	12	7,201,823	0.31	0.14	51
1978	80,342,913	46,552,420	39,230	7	11,477,559	0.18	0.09	55
1979	89,166,894	45,116,917	37,051	13	6,858,992	0.35	0.14	55

<sup>\*</sup> Includes stripping production

<sup>\*\*</sup> In 1955, and subsequent years, the production, employes and fatalities of deep mines employing fewer than five (5) persons inside are included in the Division totals.

BITUMINOUS COAL REGION PRODUCTION OF COAL, EMPLOYES, FATALS AND NUMBER OF MINES BY COUNTY

Page										Daniel Contract		1 1 1		feb. 1	reep.	yv	LOCAL NO.
5.00.765         1.25.66.098         1.469         136         1.6         12.266.098         125.346         1.39         686         13         16.12         2.266.098         125.346.098         1.39         686         13         16.12         2.266.198         125.366.098	4	Strip	Auger		Total	Deep	Strip	Auger		Preparation Plant Fmnloves	Total	Acci-	Production	Acci-	Strip & Auger Mines	No. of Refuse	of Tipple & Preparation Plants
3,525,54         10,511         72,50         6,501         13,99         666         13         16         122         2,706         14,200         15         16         12         2,706         1         10         1	000	300		1	000 000 0	007	1.0				1 000		000 000 0	100	,		2
1,123,1264 100,511 72,530 0,595,500 1,359 666 113 16 132 2,506 - 1 16 160 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2,333	070,100		1	3,250,096	T,409	130	•		/67	79967	4	2,700,092	677	54		0
1,0,0,09	8,195	3,253,264	102,511	72,590	6,956,560	1,359	989	13	16	132	2,206			164	160	ı	15
84,118   .   8,601   92,719   .   29   .   2   .   3   .     6   1   .     1,94,798   19,119   .   19,119   .   19,119   .   19,119   .       19,119   .       19,119   .	1	170,099	•		170,099	3	42	•	,	9	51			-	13		
1,1994,788 19,119 4, 46, 87, 157, 157, 157, 157, 157, 157, 157, 15		84,118	•	8,601	92,719	1	29	•	2	•	31		1	-	9	1	1
1.904, 789 19,119	,		•			•	ŧ	•	ŧ	2	2	1	,	t		,	1
1.110, 7.66 6, 60.03 1444, 68.6 7   5171, 25.2 3, 95 6 6 8 299 4, 90.5 1 7   5171, 25.8 6, 91.3   1.110, 7.66 6, 60.03 1444, 68.6 7   5171, 25.2 3, 95 6 6 8 299 4, 90.5 1 7   5171, 25.8 6, 91.3   1.110, 7.66 6, 60.03 144, 68.6 7   7   7   7   7   7   7   1.111, 7   7   7   7   7   7   7   7   1.111, 7   7   7   7   7   7   7   1.111, 7   7   7   7   7   7   1.111, 7   7   7   7   7   7   1.111, 7   7   7   7   7   1.111, 7   7   7   7   7   1.111, 7   7   7   1.111, 7   7	53,951	1,994,789			2,267,859	210	433	3	1	59	705	1	2,267,859	31	89	,	6
5.197.182	07,109	3,310,768		Ī	7,871,528	3,952	965	ı	89	289	4,905	1	7,871,528	619	83	9	6
5,332,189 10,469 - 5,602,678 - 1,105 7 - 196 1,308 - 1,108 1 - 1,1	35,188	1,137,824			1,673,012	195	212	1	•	115	522	2	836,506	30	28	,	6
9,081,407 41,950 - 9,708,465 228 2,037 6 - 269 2,540 1 9,708,465 13 308 - 665,475 28 2,037 6 - 269 2,540 1 9,708,465 13 308 - 665,475 20,646 2 13,400 1 9,708,465 13 308 - 665,475 20,640 2 13,690 2,721,890 2	,	5,392,189			5,402,678		1,105	7	١	196	1,308	,		16	149		13
6.465,777	85,108	9,081,407			9,708,465	228	2,037	9	1	269	2,540	1	9,708,465	133	308	1	26
2.688,064 11,434	. 1	465,777			465,777	•	119	ı	١	21	140			-	17		2
2,118,129         1,108         2,727,1896         5,26         -         -         -         5,112         5         -         -         5,112         5         -	1	658,061			669,495	•	155	3	1	7	165	1		20	47		2
96, 600	596,515	2,118,292			2,727,896	502	149	,	35	304	1,482		1	55	132	2	10
984, 640 6, 613,174 4,178 210	1	30,000			30,000	1	7	1	•	,	4				1		
2,100,374	830,489	984,640		,	8,815,129	4,178	210	•	•	328	4,716	1	8,815,129	279	55		9
1,100,279 21,1645 2,182 12,1516,646 4,428 490 8 2 428 5,356 2 6,158,242 911 159 11 159	,	63,374			63,374	•	15	1	,	,	15	,		1	2		
3.089,967 29,558 - 3,621,599 32 696 13 - 66 807 45 160 5 150 5 150 5 150 5 150 15 150	112,178	2,170,279			12,316,484	4,428	067	80	2	428	5,356	2	6,158,242	911	159	1	19
292,722 21,687 - 614,419 - 133 3 - 4 140 - 15 22 - 15 29 - 15 29,622 - 15 29,622 - 15 29,622 - 15 29,622 - 15 29,622 - 15 29,648 - 15 29,6	90,074	3,308,967			3,428,599	32	969	13	1	99	807	,		45	160	,	11
- 379,625 259,625 - 40 26 78 - 8 9 370,489 - 52 - 26 78 - 8 9 370,489 - 52 - 26 78 - 8 9 8 9 8 9 8 9 8 9 9 8 9 9 9 9	1	592,732		,	614,419	•	133	3	1	7	140		1	15	22		1
- 370,468	,	259,625			259,625	•	70	,	,	3	43	,	1		3		2
,916 4,344,022 62,727 106,482 6,988,157 1,368 1,241 17 2 364 2,992 1 6,988,157 249 244 1 1 4 6,066,163 2 6 6 8 2 6 8 2 6 8 2 6 6,086,163 2 6 8 2	,	370,489		,	370,489	•	52	,		56	78	,		00	6		2
- 406,163 606,163 - 119 6 125 6 125 6 125 6 125 6 125 6 125 16 125 16 125 16 125 16 125 16 125 17 125 17 125 17 125 17 125 - 12 125 17 125 -	916,914	4,344,032			6,988,157	1,368	1,241	17	2	364	2,992	1	6,988,157	549	244	1	23
- 949,301 - 949,301 - 171 - 14 185 - 5 ,886 1,661,888 - 11,345,774 5,196 375 - 221 5,792 3 3,781,925 35 7 1 ,910 1,686,074 11,210 - 2,287,194 395 422 5 - 27 879 - 27 1	ı	406,163			406,163	•	119	•	•	9	125			9	89		
,886 1,665,888 11,345,774 5,196 375 221 5,792 3 3,781,925 503 5,10 1,686,074 11,210 - 2,287,194 395 452 5 - 27 879 - 27 1	1	949,301	•		949,301	•	171	1	,	14	185	1		2	24	,	1
,910 1,686,074 11,210 - 2,287,194 395 452 5 - 27 879 27 1	581,886	1,663,888			11,345,774	5,196	375	ı	1	221	5,792	3	3,781,925	503	9/	,	7
	016,685	1,686,074	_	,	2,287,194	395	452	2	٠	27	879		1	27	130	,	2
	43,350,852	45,116,917	351,333	347,792	89,166,894	23,535	10,189	78	125	3,124	37.051	13	6.858.992 3.274 1.938	3.274 1	.938	15	177

SUMMARY OF BITUMINOUS COAL MINES, PRODUCTION AND FATALITIES BY DISTRICT 1979

						No. of Tipples	2		No.			No.	No. of	f e. Total						ž	No.	No.	١.
			No.	No.	No. of	and	Total o													E C	- 61	Non-	å
7		jo jo					No. of Gas-			Q.	Strip Auger		ration		6		Auger	ar Refuse					ra1
trict	trict Inspector	tors Mines	s Mines	Mines	opera-	Plants	tions M		Mines D	ploves plo	9 0	res plov	es plove:	s ploves	Deep Production	on Product:	uo	5		00100		duction Acci-	- 5
-	Jesse L. Bolen	14	3 -	1		15	18	١.,	_	450			148	_		1							33
2 0	J. L. Bolen, Actg.	7 0	1 1			2 6	7 7			800				7 2 011	2 270 110	9				011	ı		
n 4	Edward C. Urbany	8 1				4 W	13	ח יח	2	1,007				3 1.090	n	69			1,0	883.169			108
2	J. J. Hunter, Actg.	n	1	1	1	7	9	4		916		•	. 9	8 984	1,436	33			- 1,4	436,163	1	1,436,163	74
9	Robert E. Fulton	2	-	1	١	7	2	е.	,	1,137			. 17	0 1,307	2	75			- 2,6	612,164	1 2	_	130
7	R. D. Monaghan	m ×	1	•		4 (	00 r	4 0	,	1,878			. 13		m -	60			3,5	,567,309			109
0 0	Mayne L. Reynolds	4 65				7 88	, [4	۰,	7 6	1,31/			327	7	407 911	2 =			- T, 0	640,455		1,640,455 2	216
10	C. Wesley Milan	2 2	,			2 -	9	4	٦ ,	1.000				1	2.594	36				594.039			83
=	Walter Christopher	11	- 2	,	•	. 70	17	7	2	737				819	-	23		,	1.8	880,853	,	1	97
12	John J. Hunter	4	3	1	٠	2	2	1	2	421				.7 448		38		,		571,838	ı	,	54
13	John M. Muchnok	00	,			10	17	4	. :	1,110				1,	ľ,	37		1	- 1,8	819,087	1	1,819,087	42
15	J. Earl Lamont	7,7	7			67	31	4	7	185			727	705 707	1 753 560	c 9				540,605		0 1	54
16	Lester D. Kimmel	2 0				2	7	r v	. ,	1,172				1	7 2	32.2			2,3	306.082	1 2	2.306.082 3	312
17	G. F. Moody, Actg.	50	- 2	٠	٠	26	28	-	-1	253			34			. 22		1		717,385	. 2	358,693	47
18	R. D. Morgan, Actg.	2	-	•	•	1	4	٣		870				57 927		53			- 1,0	050,563	,		210
19	William Garay	е.	1	1		2	9 0	m		1,337				1,	,2	. 33			- 2,2	296,093	1 2	2,296,093 2	266
200	Richard C. Rozanc		7.0				7 6	7 9		780			. `	637	16,629	2 %			4.	425,517			2 5
33	I. Britten, Jr., Acts.					3 0	377	0 0	7 [	007				150 827		1 9			) T	210,004		1,001,004	/21
23	R. C. Murphy, Actg.	17				14	21	٦ ٦	9	594			2 8		1	22			5,1	999,975	- - 1	.,517,239	122
24	Anthony E. Valeri	4			,	m	9	2	-	1.340			17	-	-	52	1		1.6	662,952	,		148
25	Felice Libertini	50		1	•	3	00	4	1	1,410			. 12	127 1,537	en	67	,		- 3,4		,		251
56	A. M. Pawlosky	٠,	, ,			1		S	-	1,722				6 1,748	3,457,8	91			3,4	,457,816	1	3,457,816	86
30	Marvin Snyder	37	74				3 79		, ,		1/4/1	2		188		2,140,613	_	19,119	- 2,1	,159,732			16
32	William Srav	31.	50	,			202				273			27.7		1.125		201	1.1	125.447			3 50
32A	William Davis	- 11	25		1	1	25				151			151	1	673	673,892	1		673,892	,	,	2
32B	John M. Paxton	23 -	36	1			36	í	1		210			210	-	984	084,640			049, 486	į	•	00
33	Mark Frederick	37 -	54		\	ı	25	,			330			331		1,075	075,110	,	1,	075,110	·	ı	Ξ:
34	Fred 111 tehner	0 %	7.5				5.5				251		† ·	25.0		1 137		00,61 - 464 -	_	147 117			77
34A	Jacob D. Leighty	- 84	83		,	,	8 2	,	,	,	303	١		8		1,146		746	- 1.1			,	
35	Andrew K. Bussard	34 -	84	11	5 1		100	,	,		397	13	- 91	426	1	1,762	97		72,590 1,9	933,077	ı		16
35A	Henry Foringer	24 -	45		- 2 -		47				289			289		1,490	4,490,415 4	4,873	- 1,4	,495,288			
37	Virgil Ordiway	26 -	59	,			59				462 -			797		2.272		10,407	2,7	272.080			6
38	Edward V. Moore	28 -	63	.,			99		1		286	13 -		299	1	1,102		29,558	- 17	131,941	ı	1	54
38A	William L. Smith	38	96	,			9 5				410			770		2,206	,206,584	5 117 2	2,2	206,584			6 9
394	Nile Linberg, Jr.	26 -	55	. •		1	61				219	, ,		224		943	_		4	960,349	,	,	4
07	Jonas Carpenter	23 -	67	. 4	2 1	,	52	,	,		316	3	2 -	321	1	918	686	5,571 106,48	2 1,	040,739	,	1	4
404	Donald Barnes	36	82				78				472	9		77		1,644,	~ .	3,284	- 1,6	658,043			œ ;
141	George Lokitis	31 -	90				19				453	, ,	. 07	1491		1,780,587	m 	3,8/2 -	, ,	990 418			5 0
747	Charles Hicks	282	78				79				743		00	746		3.463.37			4 6	470.521			57
777	James W. Forcey	37 -	84	٠		,	84	,			586			586	1	2,344,312			- 2,3	344,312	1 2	2,344,312	18
45	Terry L. Confer	25 -	14	1			7.4	,	1		443			443	1	1,833		. :	- 1,8	,833,998	i	1	10
45A	W. J. Stiffler	21 -	35			ı	40		,		204	e e		207		875	· ·	34,801	,	910,034			7 1
40	Lawrence J. Fauly Rruce Purmen	0 8	27				27				- 9/7			.27		2 176 317	317		2.1	176.317		, ,	, 9
64	James Sennett	18 -	43	7	1	,	47	,	,	,	155	٦		158	1	658		11,434	î	669,495		,	20
9	Henry Shustack	00	5				10		- 1		48				- 1	- 1		- 1		186,093	1		1
	DIVISION TOTAL	1,015# 14	4 1,738	95 8	5 15	177	2,130	80	64 2	23,535 10	10,189	78 1	125 3,124	4 37,051	43,350,852	52 45,116,917	- 1	351,333 347,792		89,166,894	13 6	6,858,992 3,274	274
										-	The second name of the second	-											

\* Contract Auger.

BITUMINOUS COAL RECION PRODUCTION OF COAL AND COKE, EMPLOYES AND ACCIDENTS 1979

Fatal Accidents	-		1				1	1		,	1			2		1					-						1			,				1					- 1	1			1 1	13
Number of Employes	598	7	2,011	7,090	1,307	2,014	1,577	1 000	4,022	877	1,192	307	1.227	597	927	1,442	829	827	799	1,518	1,748	474	188	151	210	331	256	303	426	821	462	299	276	224	321	4/8	504	146	586	207	278	433	50	37,051
Average Days Worked	233	101	242	223	241	242	224	268	214	239	217	228	233	247	225	241	232	227	229	215	239	255	231	216	202	222	213	201	227	290	276	240	213	220	239	239	245	273	241	191	233	206	190	234
Total Production Of Coke				1 1			,					ı																	1 1					,							٠			
Total Production Of Coal	571,405		3,370,119	1,436,163	2,612,164	3,567,309	1,640,455	402,911	1,880,853	571,838	1,819,087	540,605	2.306.082	717,385	1,050,563	2,296,093	1.061.604	1,319,259	999,975	1,662,952	3,457,816	2,159,732	1 125 447	673,892	984,640	1,075,110	1,147,117	1,148,173	1,933,077	4,079,899	2,272,080	2 206 584	1,243,957	960,349	1,040,739	1,658,043	2,990,418	3,470,521	2,344,312	910,034	1,131,565	2,176,317	186,093	89,166,894
In The Manufacture Of Coke					1	1	1							1		1	97.000		٠			1								,							,	1			,			97,000
Locally For Domestic Purposes	1	1	3,613	30	,	722	965		1,845	463	1,987	76		1	•		. 1	5,068	361	1,025	07	15,207	3 030	2,426	9,259	16.544	75,807	5,254	210		1	1 874	2	38,884	22,314	13,030		91,599	42,5/1	10,890	2,495	16,665	365	398,850
By Truck	870		157	31.623	236,259	3	81,677	219,130	1,339,167	75,661	13	310,009	2,306,082(c)	(2) 20 (2)	210,709	39,214	436,259	754,246	927,475	3.409.92974)	228,483	1,178,787	936,190	463,358	585,619	394,830	833,614	1,002,523	591.291	1,398,947	961,173	845.513	376,486	804,303	595,291	1.288.637	1,098,582	566,962	1,317,817	478,759	829,976	1,096,088	185,728	39,695,246(e)
By Water		1	3,366,349	371,633	1,497,086	1,835,919	1,557,813	• 1			1,817,087	1		,							1,205,598	, '	73 583	208,108	389,762	556,480	237,696					27.740								,	1,770			14,378,855
By Rail	570,535	1	130 150	1,032,877	878,819	1,730,665		103,/61	539,841	495,714		230, 502	439,397	717,385	839,854	2,256,879	528,345	559,945	72,139	1,448,189	2,023,695	965,738	30,889			14/,//2		140,396	903,781	2,680,952	1,310,907	1.331.457	867,471	117,162	423,134	525.769	1,891,836	2,811,960	480.558	420,385	297,324	1,063,564	100,001	TOTAL 34,596,943
District	1	2	. 3	3° u	0 0	7	80	6 6	110	12	13	14	15	17	18	19	21	22	23	24	26	30	31	32A	32B	33A	34	34A	35A	36	37	384	39 39	39A	40	40A	42	43	44	45A	949	747	65	I

		Hand Loaded Mining	Mining					Super-		Prep-		••	
						••		inten-		ara-			Total
District	: Shot : Firers	Pick Miners	Cutting Machine Operators	Hand Loading Miners	Mechanical Loading	All :	Total : Inside :	dents Foremen & Clerks	Coke	tion Plants & Tipples	A11 Others	Total, :	Inside
1	1			-	125	257	382	36	1	148	32	216	598
2	1	1	1			1 0		1 9		7	1	7	7.
.3		1	1	1	819	943	1,561	105	1	211	134	450	2,011
4					764	767	787	071		03	104	307	1,090
0					737	104	1 060	96	1	170	000	200	1 201
10	. ,				1,00,5	1 108	1,000	67	1 1	136	17.3	321	1,30/
, 0					1.066	1,100	1 066	134	1 1	260	117	511	2,014 1 577
0 0	,		,	,	86	56	127	13	1	327	30	370	7,07
	1	1	,	,	930	22	952	27	1	22	23	0/5	1 022
0 =			-	,	529	70	609	17		77	2.7	210	2,022
-			4		160	20%	367	36		20	2)	210	610
7 6					262	222	204	00		77	300	300	1 100
2			2 1	-	152	777	153	10	1 1	122	13	15%	702
et u				4 00	502	33	542	35	1 1	7/,	7.7	156	700
2				0	200	77	247	117	1	47	/ / 0	100	090
9					100		7/6	777	1	277	60	255	1,22/
/					103	67	200	7 -		777	<b>.</b>	160	160
80					619	181	96/	13	ı	57	19	131	927
6	1				1,21/		1,217	T6	1	105	101	225	1,442
20					352	196	248	14	1	, ;	75	68	637
1	1 .	ı	1 (	1 1	699	10	679	62		65	39	150	829
2	-		2	2	412	135	553	76	ı	159	39	274	827
	1	1		-	510		511	79	1	205	7	288	199
				1	863	376	1,240	1.8	1	178	82	278	1,518
10	1	,			1,257	1	1,258	100	ī	127	52	279	1,537
10					890	639	1,529	123	1	26	7.0	219	1,748
0	1		r	1				26	1		418	474	7/7
	1	1						28	1		160	188	188
61				1		,		77	1		229	273	273
Α,		,					1	28	ı	1	123	151	151
В	1	1	1	ı			1	34	1		176	210	210
				1			ı	53	1	1	278	331	331
A		,					1	75	1		259	334	334
				ŧ	1			70		1	504	720	200
A				1				60	ı		250	203	202
								0/2	ı		320	975	075
Ą							1	141			240	607	207
			1 1	1 1				7.0			717	179	170
								7.7		1	717	7000	7000
								C# 91	ı		254	299	799
4				,				26			1000	076	074
<	1							7.1			183	270	27.0
4		1		1				37			287	321	321
		1						63			717	177	7.72
ų.							1	00			017	0/4/	4/0
				,	•			7.0			074	107	101
							1	00	1	t	450	504	2004
								58			267	286	286
		,		,		,	,	41	1	1	705	277	277
PA SA	1	1	,	,				33			174	207	207
	,	,	,	,	,		1	20			258	278	22,
				1		,		77	ı	,	389	433	433
		,	1	1			,	30	-		128	158	158
		ı	ı	,	,	1	ı	80	1		42	50	20
TOTAL	1			0									

# BITUMINOUS COAL REGION OPERATORS PRODUCING OVER 200,000 TONS OF DEEP MINE COAL \$1979\$

District	Operator	Production	Employes
1,7,18,20,21,22,24,26	Bethlehem Mines Corporation	6,369,915	4,834
3,7,13	United States Steel Corporation	5,591,328	3,002
10,15	Keystone Coal Mining Corporation	3,482,572	1,328
5,6,12,22,26	Consolidation Coal Company	3,207,820	1,648
25	Helvetia Coal Company	2,268,506	826
19	Greenwich Collieries, Div. of Pennsylvania Mines Corporation	1,933,577	977
16	The Florence Mining Company	1,906,863	1,041
1,5,8,12	Republic Steel Corporation	1,605,887	1,302
18,19,24	Barnes & Tucker Company	1,489,248	1,434
6	Mathies Coal Company	1,454,532	686
8,13	Jones & Laughlin Steel Corporation	1,324,894	1,277
26	Gateway Coal Company	1,205,598	685
25	The Helen Mining Company	990,329	486
4	Duquesne Light Company	927,890	585
3	Nemacolin Mines Corporation	821,000	570
4	Emerald Mines Corporation	739,750	376
23	G. M. & W. Coal Company, Inc.	702,718	383
11	Penn Allegh Coal Company, Inc.	645,885	216
11	Canterbury Coal Company	603,692	270
16,25	The North American Coal Corporation	550,313	287
17	Rushton Mining Company	535,188	236
11	Tunnelton Mining Company	440,608	225
5	Harmar Coal Company	376,947	303
13	National Mines Corporation	373,003	314
21	Island Creek Coal Company	301,150	208
22,23	Solar Fuel Company, A Gulf & Western Company	233,855	115
10	Carpentertown Coal & Coke Company	233,319	97
15	Mears Coal Company	201,328	98

# BITUMINOUS COAL REGION OPERATORS PRODUCING OVER 200,000 TONS OF STRIP, AUGER AND REFUSE COAL $1979\,$

District	Operator	Production	Employes
9,14,17,38A,39,42,43,44,	D / / 0 / 0	0 075 570	4.00
45,45A	Benjamin Coal Company	2,275,570	480
9,30,35,35A,36,37	C & K Coal Company	2,011,246	432
9,36,37	Shannon Coal Company	1,194,852	228
24,42,43,47	Cambria Coal Company	988,488	164
21,42	Cooney Brothers Coal Company Power Operating Company, Inc.	921,045	121
17,44,47	Power Operating Company, Inc.	884,141	187
9,17,23,40A,46,47	River Hill Coal Company	854,839	287
35,35A,39	Kent Coal Mining Company	647,794	81
9,36,38A	W. P. Stahlman Coal Company, Inc.	642,511	128
44,45,47	Al Hamilton Contracting Company	615,494	113
9,38,38A,43,45,45A,49	Sky Haven Coal Company	583,916	99
17,43,44,45	K & J Coal Company	555,965	200
33A	Luzerne Coal Company	533,425	105
14,38,43	Kann Coal Company, Inc.	507,939	123
9,37	Glacial Minerals, Inc.	502,574	128
17,46	Jones & Brague Mining Company	477,905	101
34	Aloe Coal Company	477,538	73
9,38A,42,43,45A,49	Hepburnia Coal Company	451,802	83
35,36	Terry Reddinger	409,052	59
34A,35	Darmac Coal, Inc.	386,427	47
1,30,37	Pengrove Coal Company	379,133	68
38,38A,39	Doverspike Brothers Coal Company	366,641	59
9,14,35,38,39,43,45A,49	P & N Coal Company, Inc.	352,070	139
9,36,37,38A	Chernicky Coal Company, Inc.	331,949	110
32	Midway Coal Company	325,695	58
22,23,40,40A,41	PBS Coals, Inc.	325,195	215
1,30,31,37	Lucas Coal Company	324,312	76
34A, 35A, 36, 39A	Hawk Contracting, Inc.	323,767	92
38,42,44,49	Fran Contracting Company	322,978	56
47	Halfway Coalyard, Inc.	315,702	67
17,43,44,47	James M. Stott Coal Company, Inc.	313,462	102
45	Thomas Coal Company, Inc.	300,598	71
17,43	Empire Coal Company, Inc.	279,537	47
33A,40,40A	Soberdash Coal Company	277,927	25
40,40A,41	Summit Mines, Inc.	271,196	64
33,33A	Marsolino Coal & Coke Company	257,937	62
34A,42	E. P. Bender Coal Company	257,821	40
25,34A,38,39A,40	North Cambria Fuel Company	257,372	40
38,38A,45,45A,49	Glen Irvan Corporation	246,493	59
9,35,36,38A	R.E.M. Coal Company, Inc.	236,876	49
32,32A	Etna Equipment & Supply Company, Inc.	235,322	48
1,30,31	Perry Brothers Coal Company	230,699	49
1,31	Willowbrook Mining Company	227,371	24
17,45,47	Johnson & Morgan	223,236	40
32A,32B	Nello L. Teer Company	215,688	44
1,31	Ambrosia Coal & Construction Company	211,776	33
9,45,45A,46	Shawville Coal Company	211,555	78
14,38,38A	Glenn Coal Company, Division of	·	
	Champion Coal Company, Inc.	208,708	79
43	Shale Hill Coal Company	204,091	39
41	Diamond T Coal Company	201,923	41
32A	Westmont Coal Company	200,264	31
32,33	Bologna Mining Company	200,109	47
35	Bowers Coal, Inc.	200,087	14
		,	

# CAUSES OF BITUMINOUS FATAL ACCIDENTS BY COUNTY

			nside			Out	side	
	: :Roof	Trans- porta-	Ma-	Fall of	:: Elec- ::1	1a-	:	
County	:Falls	tion	chinery	Person	tricity::		Stripping:	Total
Allegheny	-	1	-	-	-	-	-	1
Armstrong	-	-	-	-	-	-	-	-
Beaver	-	-	-	-	-	-	-	-
Bedford	-	-	-	-	-	-	-	-
Bradford	-	-	-	-	-	-	-	-
Butler	-	-	-	-	-	1	-	1
Cambria	-	-	1	-	-	-	-	1
Centre	1	-	1	-	-	-	-	2
Clarion	-	-	-	-	-	-	-	-
Clearfield	-	-	-	-	-	-	1	1
Clinton	-	-	-	-	-	-	-	-
E1k	-	-	-	-	-	-	-	-
Fayette	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-
Greene	-	-	-	-	1	-	-	1
Huntingdon	-	-	-	-	-	-	-	-
Indiana	2	-	-	-	-	-	-	2
Jefferson	-	-	-	-	-	-	-	-
Lawrence	-	-	-	-	-	-	-	-
Lycoming	-	-	-	-	-	-	-	-
Mercer	-	-	-	-	-	-	-	-
Somerset	-	1	-	-	-	-	-	1
Tioga	-	-	-	-	-	-	-	-
Venango	-	-	-	-	-	-	-	-
Washington	1	-	1	1	-	-	-	3
Westmoreland						-		
TOTAL	4	2	3	1	1	1	1	13

# BITUMINOUS FATAL ACCIDENT VICTIMS

Dis- trict	Name of Victim	Victim's Address	Company	Mine	Date of Accident	Cause of Accident
16	Patrick J. Bruce	Loretto	The Florence Mining Company	Dias	1-2-79	Roof Fall
4	William B. Feather	Morgantown, West Va.	United States Steel Corp.	Cumber Land "C"	1-2-79	Electricity
777	David W. Dixon	West Decatur	W. R. Turner Company	Strip Permit No. 1576-1	1-8-79	Stripping
1	Daniel T. Thomas	Boyers	Sunbeam Coal Corporation	Sunbeam Tipple	1-18-79	Machinery
œ	David Devecka	Clarksville	Jones & Laughlin Steel Corp.	Vesta No. 5	3-26-79	Roof Fall
21	Fred Schaffranek	Portage	Harmony Mining Company	Harmony	6-12-79	Machinery
17	James Stine	Morrisdale	Rushton Mining Company	Rushton	7-30-79	Machinery
5	Harold White	Export	Consolidation Coal Company	Renton	9-11-79	Transportation
9	John Edward Marn	West Newton	Mathles Coal Company	Mathies	9-19-79	Fall of Person
17	Marilyn J. McCusker	Coalport	Rushton Mining Company	Rushton	10-2-79	Roof Fall
19	Walter J. Rackovan	Barnesboro	Greenwich Collieries	Greenwich No. 2	10-19-79	Roof Fall
26	Thomas Karolewics	Brownsville	Bethlehem Mining Corp.	Marianna No. 58	10-19-79	Machinery
22	Glen Alvin Rose	Shellsburg	Consolidation Coal Company	Laurel	10-26-79	Transportation

# BITUMINOUS COAL REGION ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED

1884--1979

	Falling	down	shafts		,	•	,	1	1	1			1		1	1	1	1	ı	ı	1	1	1	ı	5	ı	1	,	,	1		1		1	1	1	1	,
		Mine	fires	-	,	,	31	,	1	ı	1	,	1		ı	1	ı	ı	ı	1	9	ı	1	1		1	ı	,	1	,	,	1		1	•	1		
		Explo-	sives	-	ı	ı	ı	1	1	ı	,	,	ı		1	1	1	1	1	ı	1	1	,	,	1	1		ı	ı	7	ı	1		,	1	1	1	
	Explo-	sions	of dust		1	,	ı	1	1	ı	,	ı	,		1	ı	,	1	ı	ı	ı	1	,	,	,	,	1	1	,	1		ı			1	1	1	
Explo-	sions	of gas	and dust	19	14	17		109	13	00	ı	19	19		5	112	17	179	13	9	•	2	9	7	•	34	239	154	2	1	21	13		11	1	21	00	76
		Mine	cars		1	1	,		1	,	,				,		,				,	,		1	1	,		ı	,	,	ı	,				ı		
	-JnS	foca-	tion		1	1	,		1		,	,	,		1		1				1	,		1	•	ı	•	,	1	,	ı	,		,	,	ı		
	Falls	Jo	roof	,	1	ı	1	1	1	1	1	•	ı		ı		ı	ı	1		,		•	1	1	1	1	1	1		1	,		,	6	ı		ı
			Location of Mine	West Leisenring	Uniontown	(near) Cook's Run	Dunbar	Mount Pleasant	DuBois	Brownsville	Grindstone	Sumer	Port Royal	•	Monongahela	Johnstown	Connellsville	Cheswick	DuBois	Searight	Fredericktown	Monongahela	Bentleyville	Johnstown	Sonman	Fayette City	Jacobs Creek	Marianna	Boswell	Windber	Wehrum	Johnstown		Ernest	East Canonsburg	Sykesv111e	Punxsutawney	Finleyville
			Operator	Connellsville Coke & Iron Co.	Youngstown Coke Co., Ltd.	Kettle Creek Coal Co.	Dunbar Furnace Co.	H. C. Frick Coke Co.	Berwind-White Coal Mining	Umpire Coal Co.	Redstone Oil. Coal & Coke Co.	Pittsburgh & Erie Coal Co.	Pittsburgh Coal Co.	Monongahela River Consolidated	Coal & Coke Co.	Cambria Steel Co.	Dunbar Furnace Co.	Allegheny Coal Co.	Rochester & Pittsburgh Coal Co.	Taylor Coal Co.	Clyde Coal Co.	Pittsburgh & Westmd. Coal Co.	Braznell Coal Co.	Cambria Steel Co.	Sonman Shaft Coal Co.	United Coal Co.	Pittsburgh Coal Co.	Pittsburgh-Buffalo Co.	Merchants Coal Co.	Berwind-White Coal Mining Co.	Lackawanna Coal & Coke Co.	Cambria Steel Co.	Jefferson & Clearfield Coal &	Iron Co.	Pittsburgh-Buffalo Co.	Cascade Coal & Coke Co.	Rochester & Pittsburgh Coal Co.	Monongahela River Consolidated Coal & Coke Co.
			Mine	West Leisenring	Youngstown	Kettle Creek	Hill Farm	Mammoth	Berwind	Umpire	Grindstone	Summer	Port Royal No. 2	Catsburg		Rolling Mill	Ferguson	Harwick	Eleanora Shaft	Fuller	Clyde	Hazel Kirk No. 2	Brazne11	Rolling Mill	Sonman Shaft	Naomi	Darr	Rachel and Agnes	Orenda	Eureka No. 37 Upper	Lackawanna No. 4	Franklin No. 2	Ernest No. 2		Hazel	Sykesville Shaft	Adrian No. 1	Cincinnati
			Date	Feb. 20	Oct. 27	Nov. 3	June 16	Jan. 27	Mar. 27	Sep. 23	July 24	Dec. 23	June 10	Mar. 6		July 10	Nov. 21	Jan. 25	Apr. 27	July 6	Oct. 13			Oct. 24	Aug. 17	Dec. 1	Dec. 19	Nov. 28	Jan. 25	Apr. 9	June 23	Oct. 31	Feb. 5		Mar. 22	July 15	Nov. 9	Apr. 23
			Year	1884	1885	1888	1890	1891	1896	1898	1899	1899	1901	1902		1902	1903	1904	1905	1905	1905	1905	1905	1906	1907	1907	1907	1908	1909	1909	1909	1909	1910		1911	1911	1911	1913

Second Comparison	
Incartion of Mine	
Elizabeth   9   9   9   9   9   9   9   9   9	Operator
Elizabeth	Smokeless Coal Co.
Exect   Exec	United Coal Co.
Ernest   Scholds   School   Scholds   Schold	Merchants Coal Co. Jefferson & Clearffeld Coal &
Robindale   Robi	Iron Co.
Montour   Montour   Montour   Montour   Montour   Manager   Mana	Conemaugh Smokeless Coal Co.
Harmarytille	Henderson Coal Co.
Cokeburg   Cokeburg   Cokeburg   St. Michael   St. Michael   St. Michael   St. Michael   St. Michael   St. Michael   Starford   St	Consumers Mining Co.
St. Wichael	Ontario Gas Coal Co.
St. Michael  Masontown  Dilitom  Stafford  Masontown  Sewickley Township  Tp. Clambur  Cokebur  Parnasus  Mather  Johnstown  Co. DuBois  McIntyre  Cutcuble  Carpentertown  Mariama  Carpentertown  Carpentertown  Mariama  Carpentertown  Carpenterto	Union Collieries Co.
Mason town   25   2   2   2   2   2   2   2   2	Maryland Coal Co. of Penna.
Spangler	H. G. Frick Coke Co.
Spangler         77         -	Dilltown Smokeless Coal Co.
Starford	Joseph H. Reilly Coal Co.
Mason cown   Sewtckley Township     -   10	Lancashire Coal Co.
Sewickley Township   Sewickley Township   Sewickley Township   Sewickley Township   Sewickley Township   Sewickley Township   Sewickley	H. C. Frick Coke Co.
Horning  For Clymer  Cokeburg  Parnasus  Mather  Johnstown  Coalport  Parnasus  Barking  O. Dubois  McIntyre  Clarksville  Carpentertown  Garards Fort  C. Dora  Garards Fort  C. Dora  For Clarksville  Carpentertown  Cokeburg  For Clarksville  Carpentertown  Carpentertown  Cokeburg  For Clarksville  Carpentertown  For Clarksville  For Clarksville  For Clarksville  Carpentertown  For Clarksville  For Clarksvi	Westmoreland Coal Co.
Pp. Clymer Cokeburg Parasaus Parasaus Mather Johnstown Coalport Parasaus Barking Co. DuBots Clarkeville Carpentertown Carpentert	Pittsburgh Terminal Co.
Purmassus   Purm	Clearfield Bituminous Coal Corp.
Parmassus         12(3)         1           Mather         194         194           Johnstown         13         13           Coalport         13         13           Parmassus         13         12           Coalport         13         12           Parmassus         13         12           Coapeid         13         12           Coapeids         13         12           Parkasus         10         12           Portage         10         12           Cuciple         12         12           Carpencertown         12         12           Carpencertown         13         12           Cappencertown         13         12           Cappencert	Ellsworth Collieries Co.
Mather         194         -         -         194         -	Valley Camp Coal Co.
Johnstown	Pickands, Mather & Co.
Parmassus   13   2   2   2   2   2   2   2   2   2	Tunnell Smokeless Coal Co.
Parmassus   Parmassus   Parmassus   Parmassus   Parkasus   Parmassus   Parma	Irvona Coal & Coke Co.
Barking	Valley Camp Coal Co.
Co. DuBods  Harnvick  Portage  McIntyre  Clarksville  Carpentertown  Garpenter Correll  Garden Fort  Co. Dora  Dora  Dora  Co. Dubora	Hillman Coal & Coke Co.
Harvick 10	Northwestern Mng. & Exchange Co.
Portage 63	Harwick Coal & Coke Co.
Clarksville	Sonman Shaft Coal Co.
Clarksville	Rochester & Pittsburgh Coal Co.
Crucible 5 Carpentertown	Emerald Coal & Coke Co.
Carpentertown	Crucible Steel Co. of America
Marianna 3 Ooraards Fort 5	Carpentertown Coal & Coke Co.
Garards Fort Dora - 5	Bethlehem Mines Corp.
	United States Steel Corp.
	Doverspike Bros. Coal Co., Inc.

NOTE: July 24, 1912, 18 persons drowned by flooding of Superba No. 2 Mine, Superba Coal Company, and Lemont No. 1 Mine, H. C. Frick Coke Company, near Uniontown caused by cloudburst.

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Study Of Bituminous Coal By County

CLARION	1.462.529	1,103,168	1.191.042	1,026,742	2,131,335	3,134,424	3,480,638	3,297,021	3,188,576	2,833,089	3,447,620	3,308,746	2,850,897	3,123,537	2,539,890	2,231,809	2,080,935	1,979,395	2,339,604	3,055,966	2,823,921	2,768,283	3,074,851	2,662,224	2,953,478	3,430,575	3,671,092	3,604,045	3,168,001	3,301,771	2,811,133	2,891,176	3,782,727	4,374,938	4,521,295	4,427,787	5,168,776	5,063,688	5,407,422	5,197,011	5 78/, 6/,8
CENTRE	916,112	557,338	434,178	520,829	853,406	1,122,902	956,460	1,211,242	1,200,115	1,447,351	1,474,594	1,502,272	973,312	974,963	985,554	1,009,024	965,155	909,411	1,174,981	1,416,671	1,073,493	648,930	747,122	703,016	821,078	781,056	831,551	599,635	586,907	789,306	738,720	709,003	1,051,051	1,322,463	1,190,478	1,086,947	946,103	1,001,906	1,336,626	1,214,941	1 268 200
CAMBRIA	16,656,181	12,993,722	12,481,977	16,361,261	18,532,935	20,134,793	18,580,712	18,506,189	15,941,530	14,702,181	17,070,484	15,458,368	10,767,059	12,448,696	13,600,973	12,072,089	11,753,135	8,995,516	10,725,515	10,833,862	10,532,976	8,164,992	7,250,476	6,701,785	6,049,334	5,899,895	6,971,829	8,759,346	8,934,538	8,122,954	7,768,745	7,797,236	7,077,905	6,482,454	6,213,662	7,646,786	7,718,997	7,676,184	8,505,527	7,884,333	6 761 567
BUTLER	1,945,287	651,091	659,215	607,624	1,046,486	1,128,746	1,140,643	1,183,272	1,255,504	1,575,328	2,231,896	1,884,965	1,612,142	2,744,579	2,156,517	1,963,063	1,999,922	1,565,777	1,942,912	1,932,386	1,947,166	2,047,518	1,962,372	1,976,582	2,046,049	2,126,391	1,829,844	1,833,007	2,159,068	2,188,593	1,875,675	1,787,277	2,014,274	1,951,395	1,706,652	1,493,362	1,139,923	1,559,428	1,319,941	1,325,729	1 586 570
BRADFORD	9,184	5,287	23,204					4,026	. •		5,255	,	7,356	11,902	7,240	7,538	9,301	5,661	3,158	4,650	. 1	10,871	6,798	7,651	9,420	20,536	25,331	14,500	19,616	12,933	42	100	300	161	119	,	07	42	149	50	1
BLAIR	298,051	247,834	205,814	176,132	183,932	180,162	114,191	112,293	128,407	166,284	234,106	298,591	323,887	365,561	248,175	208,099	153,258	166,147	200,143	169,959	59,329	121,472	79,311	75,430	52,459	94, 94	13,472	11,243	5,564	76,542	4,529	3,037	2,212	710		73,220	57,373	1,977	20,236	1,088	21 125
BEDFORD	452,286	357,301	396,090	388,939	474,292	631,962	629,412	738,841	732,797	615,534	950,153	887,036	331,041	296,112	271,377	206,764	125,310	44,889	115,182	169,548	164,590	172,576	176,447	197,011	240,027	359,687	318,086	293,632	320,100	287,048	165,668	85,755	16,635	18,750	4,765	1,053	875	53,113	76,150	104,256	162,022
BEAVER	80,006	65,717	63,724	97,819	929,111	580,655	405,718	340,480	247,206	229,637	434,556	427,797	318,768	426,752	442,148	445,807	446,156	433,611	513,518	385,917	344,911	224,856	259,607	371,621	401,357	558,300	374,384	489,335	418,943	301,027	158,869	120,060	266,831	218,489	243,874	193,944	138,000	206,273	187,190	188,102	201,202
ARMSTRONG	3,126,898	2,796,574	2,269,119	4,107,286	4,742,526	5,584,761	5,261,170	5,535,746	6,442,928	4,948,409	6,180,909	6,142,812	3,700,924	4,260,906	4,250,454	3,262,566	3,032,509	2,030,826	1,940,028	2,329,451	2,249,350	2,325,735	2,662,867	2,850,370	3,057,094	3,496,742	4,221,276	4,321,374	4,796,855	5,390,167	5,837,077	6,660,871	7,390,314	7,746,115	7,231,833	7,704,610	6,821,992	6,727,316	7,217,444	7,727,401	7 50% 200
ALLEGHENY	11,644,959	14,313,614	13,875,787	15,068,015	16,115,371	17,822,560	17,809,317	18,541,295	17,551,873	15,552,180	18,694,593	15,328,797	10,406,079	11,939,721	12,033,652	8,230,420	8,402,859	6,495,094	7,397,643	7,673,466	6,920,299	4,975,229	4,769,780	5,218,357	4,766,371	4,831,345	4,441,892	4,832,778	4,821,229	4,954,905	4,809,304	5,148,650	4,807,501	4,609,117	3,872,911	4,484,168	4,275,264	3,660,230	4,076,267	3.924.551	3 621 17.0
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	Total 1954	Production 1955	(net tons) 1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	7401

	VEAR	ALTECHENY	ARMSTRONG	BEAVER	BEDFORD	BLAIR	BRADFORD	BUTLER	CAMBRIA	CENTRE	CLARTON
Total Production	1978 1979	2,718,436 3,286,098	6,424,400	272,746 170,099	115,588 92,719	33,118	11	2,013,144 2,267,859	5,834,869	1,673,662	5,862,678
וובר רמוום	1925	16 406	7 952	147	1.079	531	25	2.543	21.568	1.556	2 324
	1931	13,638	3,926	119	727	590	12	1,484	18,259	1,256	1,428
	1935	16,057	3,940	202	876	525	26	1,272	20,205	766	2,184
	1940	12,350	4,071	246	694	441	•	1,170	20,708	1,033	1,406
	1941	13,648	4,603	542	843	321	•	1,218	20,091	1,184	1,702
	1942	12,281	4,171	509	771	244		1,041	18,376	1,237	1,792
	1943	10,770	3,675	274	632	176	•	1,024	16,491	847	1,762
	1944	10,346	3,600	290	877	135	13	945	15,009	984	1,700
	1945	10,484	4,577	248	269	135		965	14,602	987	1,525
	1946	10,773	3,973	252	164	173		1,259	16,168	1,166	1,673
	1947	11,112	4,441	309	1,012	182	9	1,438	16,655	1,106	1,742
	1948	11,065	4,473	287	606	221	1	1,241	16,626	1,060	1,918
	1949	9,887	3,758	231	623	244	7	1,001	15,627	616	1,790
	1950	9,343	3,552	247	490	242	7	1,351	13,970	763	1,882
	1951	8,554	2,888	239	367	169	7	1,246	13,275	691	1,175
	1952	7,184	2,078	191	327	168	5	1,044	12,172	290	975
	1953	5,816	1,969	198	271	136	9	896	10,913	205	790
	1954	4,496	1,658	255	142	139	4	826	6,067	7460	946
	1955	4,004	1,324	250	188	200	5	858	8,649	541	857
Employes	1956	4,059	1,399	255	231	165	3	759	8,536	897	916
	1957	3,669	1,407	213	244	29	•	191	8,369	451	945
	1958	2,984	1,370	149	251	77	4	804	7,360	386	838
	1959	2,626	1,195	120	220	65	7	269	000,9	389	853
	1960	2,602	1,204	131	187	53	4	989	4,824	311	818
	1961	2,168	1,241	152	198	47	9	929	4,317	303	715
	1962	1,914	1,225	142	173	84	7	570	3,805	291	758
	1963	1,546	1,256	119	168	25	7	572	3,719	309	298
	1964	1,458	1,316	151	132	27	∞	493	3,834	241	738
	1965	1,228	1,234	132	124	14	6	493	3,759	298	654
	1966	1,349	1,344	84	95	53	6	519	3,588	211	472
	1967	1,416	1,430	747	73	∞	2	471	3,403	210	552
	1968	1,384	1,424	59	40	9	2	488	3,249	189	579
	1969	1,296	1,639	84	17	9	2	475	3,154	283	270
	1,970	1,315	1,865	82	17	9	2	485	3,122	288	206
	1971	1,327	2,126	98	17		2	512	3,577	371	802
	1972	1,457	1,841	85	5	14	•	465	3,955	303	069
	1973	1,510	1,799	7.1	5	∞	1	441	4,149	288	841
	1974	1,534	1,856	121	19	2	1	487	4,401	329	872
	1975	1,806	2,139	137	21	16	П	527	2,009	438	1,133
	1976	1,973	2,225	160	69	6	1	518	5,346	455	1,205
	1977	2,024	2,382	99	20	20	2	298	5,479	455	1,296
	1978	2,019	2,380	88	65	17	2	889	5,084	484	1,220
	1979	1,862	2,206	51	31	ı	7	10/	4,000	1	) ) ) 1

CLARTON	203	219	174	208	206	248	256	265	256	221	198	172	179	168	216	254	263	254	240	249	255	243	259	256	260	260	268	277	247	260	261	797	7.00	747	223	260	211	272	248	296	288	543	203
CENTRE																																									220		
CAMBRIA	199	162	175	202	223	250	260	290	258	201	155	141	154	167	158	253	166	153	208	206	201	161	151	173	175	165	188	223	236	239	228	236	233	737	208	254	247	220	242	232	180	170	100
BUTLER	225	125	156	177	225	242	248	262	256	213	236	230	192	201	230	210	206	236	328	224	217	211	213	205	500	230	500	229	271	247	247	239	218	230	211	188	162	192	243	250	217	212	
BRADFORD	272	195	256	,	•	1	•	71			133		200	183	159	232	155	177	9	144		544	215	240	268	205	224	185	239	182	20	20	09	08 :	64	•	79	09	69	28	69	279	
BLAIR	185	193	155	181	209	245	208	289	278	200	194	205	191	124	226	191	173	149	205	235	213	244	240	222	227	220	185	160	145	259	176	229	184	37	•	228	245	252	121	221	142	191	
BEDFORD	135	128	158	167	186	240	264	254	260	201	142	148	108	100	113	46	71	63	147	167	180	170	185	189	200	215	203	243	216	245	212	226	170	178	88	74	20	158	242	146	222	203	
BEAVER	209	200	165	220	234	236	286	292	251	245	213	226	230	214	249	205	225	212	238	195	202	158	204	188	231	247	207	207	224	171	233	213	227	201	188	214	230	235	235	243	217	226	
ARMSTRONG	169	144	134	223	216	220	265	282	254	193	210	208	136	147	226	237	237	188	209	184	174	176	188	205	197	206	210	189	207	208	209	211	207	217	178	220	215	205	233	233	209	181	
ALLEGHENY	167	208	200	220	222	272	272	292	797	174	254	210	163	183	216	176	222	222	232	216	206	183	172	169	173	175	184	220	218	219	201	216	239	234	212	241	239	230	248	230	224	183	
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955					1960	1961	1962	1963	1964	1965	1966	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	0
																				Average	Days	Worked																					

CLARION	2	1	1	e	,	2	3	7	2	,	e	1	1	1	1	1	1	•	1	1	1	,	3	1	ı	1		•	1	•		1	2	1	1	1		1		1	ı		
CENTRE	2	•	•			2	2	1	•	1	•	2		•		1		2	1		1	•	1	1	1							1	1	П		1		2	1	1	,		7
CAMBRIA	20	31	26	84	29	29	26	29	19	15	19	14	12	14	6	15	7	9	4	6	6	2	9	9	2	4	1	2	2	2	1	2	4	4	1	2	2	n	-	4			-
BUTLER	3	7	1		2	m	1	4			2	•	•	2	•	2	1	1			1			1	•				2	2	e		2	2	•				1				<b>-</b>
BRADFORD	•		•			•			•	•	•		•1	•			•	•							1		,																
BLAIR	2	1			1		1		1		1		1	1	1	1	1	ı	1	1	1	1		1	1	1	1	1	1	,		ı	1	1	,	1		1	1	1			ı
BEDFORD	1	e	1	1		-1		•	2		1		1	•					1	•		1		1	•	•	•	•	1	1			•										1
BEAVER	1					•		•	2		1		1	1	1	•	1	•	1	1	•	e	1	1	1	1	1	1	1	1	ı	1	1	1	1	ı		1		1	ı	ı	1
ARMSTRONG	9	S	9	2		5	6	4	6	7	10	10	9	2	2	1	4	•	2	1	2	•	2	3	3	2	3	1	S	2	1	7	2	1	9	2		2	4	1		1	
ALLEGHENY	22	29	25	21	28	18	21	18	16	6	17	19	00	6	9	1	11	7	7	7	3	2	e	2	1	2	•	1		1	1	2	•	9	1	1	1	•	2	4	1	1	1
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
																					Fatal-	ities																					

				- 1							
	YEAR	ALLEGHENY	ARMSTRONG	- 1	BEDFORD	BLAIR	BRADFORD	BUTLER	CAMBRIA	CENTRE	CLARION
	1925	2,739,492	836,966		146,021	98,351	6,800	572,067	4.281.947	259.551	471 419
	1931	2,830,946	546.947		93,108	113,640	2,340	185 859	2 961 989	168 577	312 050
	1935	3,196,377	529 405		138 142	81 133	6,5,4	198 970	3 535 388	162,050	370 010
	10%0	0 710 317	011,000		116,001	20,10	***	200,210	200,000,0	10, 100	010,670
	1940	41C, 21/, 2	211,003		CDO, 011	00/6/	t	200,/18	4,164,101	194,/29	292,192
	1961	3,035,805	992,304		156,624	66,949	1	396,991	4,475,079	239,537	351,408
	1942	3,398,413	879,294		185,618	29,969	ı	256,643	4,603,324	263,918	445,173
	1943	2,939,490	974,821		167,072	36,728	,	254,463	4,296,233	282,800	452,155
	1944	3,017,499	1,016,565		222,445	39,087	923	247,438	4,351,763	244,290	449,925
	1945	2,769,066	1,161,389		181,248	37,511	•	246,791	3,771,209	239,142	390,835
	1946	2,240,959	766,782		153,718	34,562		268,144	3,248,093	210 995	370 467
	1947	2,832,514	936,501		143,963	35,471	796	338 166	2 586 437	223,523	344, 762
	1948	2 322 545	930 729		137, 399	45 241	, 1	285 601	771 078 0	227,222	330,172
	10.0	1,022,040	513 070		67 211	147,04	000	100,001	7,17,77	110,122	330,074
	1949	1,00/,013	213,079		110,10	39,377	900	192,543	2,403,I44	14/,8/9	320,/23
	1950	1,/12,076	252,437		45,463	30,039	1,284	272,570	2,340,880	130,717	315,742
	1951	1,851,331	653,916		41,750	38,181	1,114	287,536	2,092,458	151,624	253,989
	1952	1,266,219	492,407		31,810	32,015	1,160	220,158	1,857,245	126,128	247,979
	1953	1,292,748	466,540		19,278	23,578	930	199,992	1,808,175	96,515	208,093
	1954	999,245	312,434		8,977	20,768	402	195,722	1,383,925	90,941	247,424
	1955	927,378	276,803		27,641	40,951	325	281,529	1,799,684	118,280	205,869
	1956	878,753	257,956		38,501	38, 796	432	170.161	1 756 119	111 327	22,222
SANS	1957	756.358	244, 903		43,936	14, 275		166 500	1 680 143	104 115	240,606
	1958	546,283	240,640		42.715	18.798	926	169.628	1.184.022	86.522	204,209
	1959	452,650	224 278		62 9 07	15,607	860	149 037	750, 102,	86 629	220,223
	1960	439,955	246,926	24,684	35,385	11,782	096	130,550	835.087	69.770	209.790
	1961	376,124	244,333		39,539	10,661	1.608	141,482	756.622	70,822	185,674
	1962	334,863	251,881		37,249	10,545	1.434	130.923	627,979	65.956	197,013
	1963	284,733	263,366		34,055	4,636	1.571	119,334	697,413	70,864	205,687
	1964	320,707	249,242		32,125	4,323	1,480	113,007	854,966	64,123	204,442
	1965	267,360	255,024		26,741	2,028	2,156	133,868	887,077	59,381	161,374
	1966	295,373	279,838		23,352	13,746	1,639	128,163	857,006	48,505	122,847
	1967	284,978	298,417		15,483	1,412	, 50	116,474	777,697	48,629	144,324
	1968	298,876	301,200		9,041	1,372	100	116,495	767,133	39,220	163,152
	1969	309,876	339,100		2,886	1,104	120	103,533	734,321	63,558	159,380
	1970	308,456	404,727		3,027	222	80	111,699	740,652	70,694	171,103
	1971	282,452	379,366		1,514		86	108,165	745,573	76,450	178,981
	1972	351,025	404,324		373	3,192		87,560	1,002,863	66,598	179,610
	1973	360,874	386,065		252	1,960	79	71,376	997,124	64,195	177,566
	1974	354,197	380,723		3,019	1,260	09	93,582	969,270	74,822	237,771
	1975	449,332	500,118		5,094	1,936	69	128,367	1,212,872	102,557	282,065
	1976	454,553	519,571		10,131	1,989	28	129,980	1,240,421	107,411	356,757
	1977	453,274	497,120		11,100	2,840	138	129,658	984,753	100,141	373,215
	1978	369,126	431,390		13,211	2,744	558	145,620	864,288	88,284	362,317
	1979	432,078	488,750		5,204	. '	762	171,431	1,133,786	120,628	383,695

CLARTON	731.265	0011	1 191 042	342 247	· ·	1.567.212	1,160,213	471,003	1.594,288		1,149,206	3,308,746	2,850,897	3,123,537	2,539,890		2,080,935				2,823,921		1,024,950						3,168,001			2,891,176	1,891,363	4,374,938	4,521,295			5,063,688		1	1	1.1
CENTRE	458.056			,		561,451	478,230	1,211,242	. '	1,447,351		751,136	, 1				1	454,705	1,174,981		•						1			1	,	709,003	1,051,051	1,322,463	•	1		500,953	. "	1,214,941		836,506
CAMBRIA	333,124	419,152	480.076	194,777	639,067	694,303	714,643	638,144	839,028	980,145	898,447	1,104,169	897,255	889,193	1,511,219	804,806	1,679,019	1,499,253	2,681,379	1,203,762	1,170,331	4,082,496	2,416,825	1,116,964	3,024,667	1,474,974	6,971,829	4,379,673	1,786,908	1,624,591	7,768,754	1,559,447	1,769,476	1,620,613	6,213,662	3,823,393	3,859,498	2,558,728	8,505,527	1,971,083	6,761,567	5,834,869
BUTLER	648.429	325,546	659,215		523,243	376,249	1,140,643	295,818	. •		1,115,948	. '		1,372,289		981,531	. •	1,565,777	•	1	1,947,166	1		1,976,582		ı	•		1,079,534	1,094,296	625,225	1	1,007,137	975,697			1			•		2,267,859
BRADFORD					•		1	1						•						1		•					•	•	1											1		1 1
BLAIR	149,026	247,834			183,932	. '	114,191	1	128,407			•		365,561	248,175		153,258						ı					•					•		1		1					1 1
BEDFORD	452,286	119,100	396,090	388,939		631,962	629,412	•	366,398	•	950,153	•	331,041	1	1	•	1	1	115,182	1	1	172,576	•	197,011		•		-	320,100	287,048			•		•			1	•	1		
BEAVER		•	,	•		,		•	123,603	•	,	ı	•	•	442,148	•	446,156	•		•	•	74,952	1	•	1	1	1	•	•	•	1	1	1		1	,	1		•	•		1 1
ARMSTRONG	521,150	559,315	378,186	2,053,643		1,116,952	584,574	1,383,936	715,881	706,915	618,091	614,281	616,821	852,181	2,125,227	3,262,566	758,127	•	970,014	•	1,124,675	•	1,331,433	950,123	1,091,031	1,748,371	1,407,092	4,321,374	959,371	2,695,083	5,837,077	1,665,218	3,695,157	1	1,205,305	3,852,305	•	3,363,658	1,804,361	7,727,401	1	6,424,400
ALLEGHENY	529,316	493,573	555,031	717,525	575,549	990,142	848,063	1,030,072	1,096,992	1,728,020	1,099,682	806,779	1,300,760	1,326,636	2,005,609	8,230,420	763,127	1,623,773	1,056,806	1,096,209	2,306,766	2,487,614	1,589,927	2,609,178	4,766,371	2,415,672		4,832,778		4,954,905	4,809,304	2,574,325		768,186	3,872,911		4,275,264		2,038,133	981,137	3,621,140	2,718,436 3,286,098
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954		Ę	Per Fatal 1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978 1979

	LAWRENCE	279.183	208,713	177,803	253,928	282,415	260,637	145,327	59,350	108,155	95,533	189,785	238,370	162,365	456,943	468,508	262,626	665,911	653,216	634,147	914,091	1,097,658	1,128,623	1,003,472	942,037	629,552	623,644	922,152	812,076	906,147	1,267,036	1,064,058	1,135,575	898,738	891,417	742,543	603,142	529,696	519,742	564,223	689,526	783,610	01000
	JEFFERSON	2,967,590	1,981,360	1,837,504	1,763,107	1,927,066	2,162,615	2,492,658	2,280,442	2,058,848	2,563,447	3,018,131	2,724,508	1,646,668	2,003,302	1,977,131	1,560,065	1,664,773	1,456,451	1,474,972	1,678,293	1,488,656	1,381,434	1,090,725	1,147,022	1,299,120	1,420,926	1,789,771	1,884,847	1,933,709	1,724,329	1,838,560	1,592,838	1,415,933	1,664,873	1,387,496	1,369,144	1,484,613	1,663,412	2,109,747	2,487,802	3,221,476	•
	INDIANA	8,008,676	6,626,280	5,606,505	6,926,530	8,308,035	6,390,899	9,702,447	10,769,528	8,531,846	8,950,655	9,035,864	8,547,988	6,061,751	7,809,553	7,669,778	6,245,535	5,756,224	4,884,780	6,042,018	7,001,596	6,777,115	5,605,795	6,200,151	5,126,721	4,879,306	4,822,211	5,549,919	5,867,107	6,626,509	7,668,217	7,622,275	6,558,590	8,021,859	8,314,266	7,630,251	8,434,172	9,032,403	9,026,886	10,211,669	10,802,399	10,535,246	
ė	HUNTINGDON	669,587	547,495	495,447	500,151	504,730	474,627	421,426	597,408	759,170	808,527	630,186	390,381	330,760	405,282	392,841	268,772	231,094	165,615	91,887	149,544	52,705	58,250	71,123	58,600	33,910	33,070	55,540	69,135	67,376	53,683	43,943	19,981	2,673	1	•	•	•	2,250	8,425	4,000	4,200	
	GREENE	4,992,995	3,711,042	2,955,545	5,310,131	6,296,926	7,582,079	7,188,684	8,487,776	8,628,754	9,258,377	12,956,008	12,458,147	8,731,629	10,122,459	11,820,569	9,592,879	11,675,444	9,355,074	11,866,090	12,423,951	12,274,541	9,751,502	9,649,491	9,966,944	9,576,615	9,137,326	9,619,969	11,575,079	11,676,093	11,358,759	11,243,302	11,077,182	11,458,458	11,576,734	8,143,725	9,033,553	8,667,844	8,287,320	8,036,652	7,984,871	7,083,584	
	FULTON	168,457	148,096	142,776	163,381	230,153	255,140	235,611	1	1		142,745	118,858	87,300	111,557	140,347	157,614	137,669	81,099	94,886	40,529	ı		1	5,162	1	1	•	•	1	•	1		7,200	3,100	2,700	1,075	. '	,	1.300	12,500	14,200	
	FAYETTE	28,684,339	13,933,546	13,454,039	22,432,309	22,109,923	25,465,181	22,889,481	22,668,263	19,357,031	16,496,471	18,470,604	15,385,038	9,205,423	10,079,300	10,528,246	7,523,581	9,054,912	6,442,395	6,610,155	5,357,333	4,949,851	2,908,999	2,754,230	2,245,909	1,234,260	1,314,657	1,525,525	1,872,001	1,875,814	1,562,102	1,186,650	1,112,670	1,387,377	1,848,583	1,494,177	1,657,751	2,100,610	2,678,764	2,804,749	3,126,775	3,195,658	
	ELK	1,052,684	887,802	749,661	741,688	819,107	815,156	699,441	636,291	502,494	474,628	841,302	1,043,641	764,064	854,824	784,597	589,588	518,093	407,599	461,208	421,453	307,513	350,750	354,470	302,480	374,888	475,500	543,530	508,790	512,582	478,035	330,904	345,514	367,786	412,258	384,656	359,740	620,896	773,261	628,270	674,260	783,956	
	CLINTON	182,964	67,081	52,305	31,688	96,710	240,314	402,876	223,388	88,147	258,764	525,933	502,740	456,421	649,337	793,958	617,027	657,933	613,606	642,492	531,864	591,789	622,294	638,673	479,839	407,599	407,640	482,204	481,046	554,960	776,381	926,168	784,587	550,808	455,288	406,445	242,606	465,957	459,561	416,768	390,768	538,909	
	CLEARFIELD	5,440,701	3,022,139	2,934,442	3,048,006	4,113,081	4,702,159	5,872,736	6,396,459	6,371,229	6,443,667	8,091,741	8,102,562	5,161,831	6,176,963	5,928,156	5,781,289	5,207,520	4,873,992	5,760,350	6,634,394	6,297,900	5,651,550	5,663,175	6,289,354	6,585,671	6,556,887	6,843,783	6,972,466	7,162,588	7,227,841	6,887,212	6,080,361	5,876,819	5,900,616	6,031,346	066,000,9	6,469,050	7,813,500	7,652,563	8,310,736	9,299,741	
	YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955			(net tons) 1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	

LAWRENCE	383	421	437	456	427	338	26	54	36	39	59	76	16	151	147	92	161	192	173	251	280	273	235	223	191	228	199	172	183	242	220	225	224	194	152	157	119	146	135	150	130	148	140
JEFFERSON	4,402	2,479	2,954	2,237	2,267	2,015	2,000	1,827	1,757	2,105	2,260	2,195	1,755	1,861	1,670	1,298	1,150	1,149	995	1,144	1,073	930	860	571	169	629	635	571	277	618	109	997	441	365	471	386	337	420	528	617	749	987	807
INDIANA	10,947	8,016	8,343	7,081	7,698	7,175	6,717	6,651	6,178	7,034	6,993	7,198	6,365	6,286	5,603	5,248	4,316	3,237	3,499	3,535	3,734	3,283	3,199	2,676	2,240	2,177	2,145	2,121	2,295	2,049	2,164	2,192	2,472	2,888	3,468	3,500	3,787	4,152	5,104	5,493	2,646	5.777	5,356
HUNTINGDON	1,097	993	1,061	923	821	949	530	999	782	768	603	588	695	459	429	354	277	135	107	165	77	83	95	74	54	94	51	47	39	34	16	13	7	1	1	1	1	e	7	7	6	10	15
GREENE	3,664	3,237	3,492	4,249	5,034	5,301	5,141	6,007	9,646	7,809	9,078	9,910	9,543	9,012	8,899	8,488	8,005	7,035	6,710	6,721	6,278	5,441	5,208	4,707	4,335	3,673	3,712	3,895	3,627	3,526	3,412	3,361	3,490	3,657	3,567	3,570	3,602	3,880	4,270	4,354	4,680	4 887	4,716
FULTON	280	218	258	. 263	241	196	172	1	,		45	26	22	20	40	20	55	38	36	70	•		•	7	•								2	2	2	1	•	•	2	7	7	7	- 4
FAYETTE	29,435	16,291	16,817	20,253	22,329	21,173	19,944	16,714	15,242	14,248	14,098	13,754	12,437	11,767	10,628	9,154	8,220	6,545	4,763	3,419	3,151	2,205	2,130	2,068	1,136	1,077	977	866	1,032	921	773	780	813	006	913	772	808	896	1,245	1,272	1,400	1 7.51	1,431
ELK	1,873	1,487	1,251	1,126	1,044	808	657	809	532	582	708	895	196	669	551	479	369	277	290	318	254	253	237	222	203	195	170	189	180	163	100	106	6	66	97	86	108	136	149	122	133	167	165
CLINTON	287	135	134	42	143	166	218	171	66	161	229	214	290	319	172	160	251	213	229	161	160	162	157	142	136	92	66	119	89	167	148	150	90	87	92	09	06	107	112	136	158	163	160
CLEARFIELD	9,187	5,593	6,058	4,861	4,983	4,413	4,687	4,712	4,863	5,121	5,703	6,176	5,234	4,868	4,439	4,091	3,303	3,267	3,278	3,486	3,330	3,272	2,796	2,649	2,765	2,577	2,481	2,361	2,177	2,024	1,778	1,712	1,465	1,669	1,836	1,472	1,454	1,617	1,997	2 291	2,2,2	1000	2,955
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1070	1978
																				Employes																							

LAWRENCE	266	205	171	197	198	233	238	133	227	207	214	164	252	202	245	237	276	227	335	235	225	268	225	255	237	193	278	255	275	249	281	274	219	217	254	203	269	245	267	226	276	262 219	
JEFFERSON	208	177	186	194	214	239	286	253	233	196	202	188	138	164	175	175	223	195	204	210	189	176	132	204	196	201	199	221	216	221	204	200	163	243	182	191	228	506	239	219	234	224 246	1
INDIANA	184	165	163	201	223	270	261	279	253	206	196	180	151	185	211	183	205	232	218	230	211	190	201	188	200	196	218	208	203	229	236	207	230	222	197	228	226	205	228	220	205	176	,
HUNTINGDON	230	202	184	197	223	246	281	272	255	203	158	101	142	160	141	117	128	153	141	168	179	145	142	162	136	138	156	159	150	135	203	271	56	1	1	1	1	75	232	115	84	247	)
GREENE	268	195	172	218	217	259	275	244	257	225	216	190	170	174	204	174	224	205	235	235	221	178	178	177	185	186	199	220	230	228	231	228	242	250	201	231	246	231	248	236	213	189	1
FULTON	284	224	196	209	234	258	278	1	,	1	211	305	122	171	234	165	250	213	208	49	1	1		38	ı	1	1	1	1		1	ı	240	160	252	234	ı	1	40	223	253	182	-11
FAYETTE	228	156	169	230	227	272	267	289	259	249	199	169	160	175	152	126	169	151	211	211	200	169	147	143	155	164	196	212	226	212	218	208	230	220	193	203	229	221	236	224	214	191	177
ELK	172	160	195	217	227	267	282	291	250	193	180	177	155	167	219	176	216	184	189	183	173	163	183	179	160	215	231	218	208	216	211	243	239	190	202	203	215	254	227	238	231	216	677
CLINTON	165	500	167	249	232	265	296	232	259	194	229	234	154	165	307	257	262	192	251	260	261	251	242	234	207	243	242	190	273	239	286	225	260	260	274	266	314	245	263	228	232	235	707
CLEARFIELD	173	142	160	190	217	239	253	257	229	203	215	199	151	177	205	217	243	186	217	205	202	189	204	216	206	213	219	221	233	246	257	262	241	220	214	240	243	261	232	228	236	223	707
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
																				Average	Days	Worked																					

	YEAR	CLEARFIELD	CLINTON	ELK	FAYETTE	FULTON	GREENE	HINTINGDON	ANATONI	Mosquaat	TATTOTAL
	1925	80		2	78		15	1	TINDIANA	JEFFERSON	LAWKENCE
	1931	4			22	,	3 =	٠ ا	17	y .	
	1935	4		' '	25	-		,	101	- t	-
	1940	. 10		,	14		7	2 6	101	1 6	
	1941		•	1	25	1	. 9	4 60	000	o -	
	1942	7		1	34		. 20	,	17	7 6	
	1943	4			26	•	13	1	10	-	4
	1944	7		1	25		16		11	1	
	1945	5	1	,	25		11		7	-	1
	1946	3		1	21		14	1	10	2	•
	1947	9	1	1	19		10		000	1 10	
	1948	9		1	11	1	13		0 00	1	
	1949	1		,	11	•	2	,	) 10	,	
	1950	5		,	9	,	5		6	-	
	1951	2	,	1	7	•	7		7	2	
	1952	3	1	1	3		6	1	. 10	' '	,
	1953	3		1	5	,	12	•	7	-	,
	1954	3		,	3		4	1	12	1	1
	1955	2	1	1	ı		7		4	2	1
	1956	2		1	2		12	1		2	
Fatal-	1957	2		,	2	,	80	1	4	-	1
ties	1958	7		1	4		2	1	1		
	1959	2		1	1	,	00	1	9		
	1960	1		1	3	•	1	1	6	1	•
	1961	3		1	2		4	1	1		•
	1962	2		1	1	•	40	1	3	1	
	1963	1	1	1	1	1	3		4	1	1
	1964			ı	1	•	5		2	1	,
	1965	2		ı	1	1	9	1	2		1
	1966	1			2		3	1	3	5	1
	1967	4		1	1	1	3	1	7		
	1968	_		1	1		4	ı	3	1	
	1969	1		1	1		1	1	1		1
	1970	1		1	1	,	1	1	5		1
	1971	2		ı		,	9		00	1	1
	1972	1		ı	2		3		2	1	1
	1973			1	1	,	2	•	1		
	1974	3		1	1		1	1	1	1	1
	1975	2		ı	1	,	1		2	1	•
	1976		1		ı		3		4	1	1
	1977	1		1	1		1	•	1	1	1
	1978						-1		2	1	1
	1979	-		ı			1		2	1	1

237,816
22,411 243,478 2,839,965
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185,474
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127,470
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120,707
84,227
79,707
50,950
54,755
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41,323
43,412
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,943 17,488 156,475
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1000

LAWRENCE	279.183	208,713	,		•	260,637	•	٠		٠		•	•		•	•		,							,		•						898,738							٠	•	
JEFFERSON	329,732	495,340	1,837,504	587,702	1,927,066	1,081,307	2,492,658		2,058,848	1,281,723	603,626	'	•	2,003,302	988,565	. '	1,644,773	. '	737,486	839,146	1,488,656	1,381,434	. '	1,147,022	1	•	1,789,771	1,884,847	. '	344,866	•	•	•	•	1,387,496		•	•	•	1	3,221,476	
INDIANA	421,509	389,781	560,650	1,385,306	415,402	552,406	970,245	979,048	1,218,835	895,065	1,129,483	1,068,498	1,212,350	867,728	1,917,444	1,249,107	1,439,056	407,065	1,510,504	7,001,596	1,694,279	5,605,795	1,033,358	1,708,907	4,879,306	1,607,404	1,387,480	2,933,553	3,313,254	2,556,072	1,088,896	2,186,197	8,021,859	1,662,853	1,064,092	4,217,086	9,032,403	9,026,886	5,105,834	2,700,599	10,535,246	000
HUNTINGDON	699,587	. •	247,724	250,076	168,243	•	421,426	597,408		808,065	. '				,				•				•	•	•	1	•	•												1		
GREENE	332,866	337,367	1,477,773	758,590	1,049,488	1,516,415	552,976	530,486	784,432	661,313	1,295,601	958,319	1,746,326	2,024,492	1,688,653	1,065,875	972,954	2,338,768	1,695,156	1,035,329	1,534,318	4,875,751	1,206,186	9,966,944	2,394,154	228,433	3,206,656	2,315,016	1,946,015	3,786,253	3,747,767	2,769,295	11,458,458	11,576,734	1,357,287	3,011,184	4,333,922	8,287,320	8,036,652	2,661,623	7,083,584	0 0 0 0 0
FULTON			142,776	163,308								118,853	•	•			,								,		•	,	•	•	,											
FAYETTE	367,748	633,343	538,162	1,602,308	884,397	748,976	880,364	906,731	774,281	785,546	972,137	1,398,640	836,857	1,679,883	1,504,035	2,507,860	1,810,982	2,147,465	•	2,678,666	989,970	727,250	2,754,230	748,636	617,130	1,314,657	1,525,525	1	•	781,051		•	1,387,377	1,848,583		828,875			•		3,195,658	
ELK	526,342	887,802	1	•	•	•	•	•	•	474,628	•	1,043,641		•	784,597	,	518,093	•	•	•	•	350,750	354,470		374,888	•	543,530	•	•	•	•	•	•	412,258	•	•	•	773,261	1	•	1	
CLINTON	1	•	,			•	1	1	88,147	•	525,933				•			•	642,492	1					•					•	•	•	•	٠	•	•	,	,		•	,	
CLEARFIELD	680,088	755,535	733,611	609,601	4,113,081	671,737	1,468,184	913,780	1,274,246	2,147,889	1,348,623	1,350,427	5,161,831	1,235,383	2,964,078	1,927,096	1,735,840	1,624,664	2,880,175	3,317,197	3,148,950	1,412,887	2,831,587	6,289,354	2,195,224	3,278,443	6,843,783		3,581,294	7,227,841	1,721,803	6,080,361	5,876,819	5,900,616	2,912,942	066,000,9	,	2,604,500	3,826,281	1	9,299,741	
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954		G	Per Fatal 1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1078

REGION	135,266,612	96.844.250	91,140,273	111,416,916	127,469,207	142,759,573	139,801,363	144,408,418	130,696,854	123,587,065	144,761,964	130,627,789	87,351,892	103,439,887	106,680,097	87,308,999	91,938,156	70,823,985	85,042,677	88,595,658	84,064,493	67,398,564	65,627,585	62,595,999	63,171,313	65,648,015	71,258,957	77,321,793	80,119,548	81,449,647	79,101,385	75,714,611	78,185,036	80,091,922	71,776,681	75,863,137	76,796,661	80,042,191	84,479,031	85,747,874	86,421,876	80,342,913	89,166,894
WESTMORELAND	20,720,626	11,243,386	8,989,269	8,756,882	10,875,964	12,567,665	12,622,983	12,456,807	11,009,275	9,747,937	9,882,492	8,993,487	5,223,834	6,131,999	5,759,410	5,252,229	5,218,092	2,754,921	3,932,005	4,505,410	4,737,250	3,557,895	3,436,571	3,362,099	3,347,734	3,730,800	3,898,862	4,145,711	4,305,247	4,250,423	3,556,939	2,952,224	2,591,158	2,626,597	2,394,707	2,340,787	1,894,089	2,605,697	2,813,149	2,804,263	3,382,695	2,544,018	2,287,194
WASHINGTON	15,421,542	13,640,250	15,890,388	17,872,551	19,916,404	20,661,070	20,311,505	21,129,326	18,152,651	18,984,071	21,409,249	18,245,125	12,484,414	14,744,761	16,106,865	13,656,583	16,838,775	12,838,740	15,921,185	15,014,199	13,783,986	10,575,312	10,069,016	10,913,281	10,359,035	10,945,366	12,146,067	13,477,843	14,220,440	14,145,130	14,778,358	13,593,120	13,761,402	14,461,604	12,545,703	13,670,704	13,435,704	13,083,000	13,412,910	12,445,824	11,194,120	9,447,265	11,345,774
VENANGO	8,197	2,600	90,09	28,621	29,400	20,770	48,671	45,859	40,291	120,696	250,391	448,818	152,373	541,011	437,099	447,516	596,684	522,403	701,720	841,490	798,054	634,182	607,707	676,517	612,110	506,077	898,095	487,329	400,056	493,777	521,397	439,283	549,365	464,719	378,119	358,182	440,928	494,903	451,998	540,568	869,850	1.428,655	949,301
TIOGA	144,680	190,114	177,096	190,597	319,083	358,801	302,284	268,177	213,090	156,632	173,291	204,748	141,782	149,224	138,117	62,761	68,83	55,289	81,793	94,44	265,242	296,764	211,027	242,375	223,023	233,863	306,465	260,424	435,321	508,108	517,683	578,613	618,822	747,946	873,239	618,596	575,992	426,534	541,895	629,653	681,209	588, 296	406,163
SOMERSET	9,629,892	7,306,313	5,675,139	4,839,036	6,137,729	6,938,898	7,613,273	8,236,565	7,594,495	6,663,474	8,027,289	7,544,388	4,961,339	5,901,852	6,513,342	4,982,002	3,961,378	2,264,833	3,479,806	4,273,532	3,827,771	2,667,943	2,211,735	2,181,308	2,215,649	2,702,986	3,164,518	3,409,154	3,502,211	3,959,415	4,017,512	3,996,349	4,033,778	3,730,159	3,911,875	3,591,444	4,437,917	5,487,094	5,860,115	6,386,533	7,085,981	6,275,666	6,988,157
McKEAN		1	13,264		,	5,729	2,176	. •	16,994	40,938	1,404	5,596	23,960	64,723	81,307	43,847	82,210	93,101	109,930	103,864	41,887	47,432	42,128	32,030	5,940	2,185	4,370	21,700	15,983	24,662	1	•	,	•	•	٠	•	•	1	,	,	,	1
MERCER	279,087	211,347	324,260	140,010	428,239	491,923	418,298	634,332	528,137	401,030	353,523	389,800	406,073	508,342	495,526	534,666	559,100	638,686	653,085	503,292	508,297	607,524	525,453	692,342	872,960	1,045,879	711,921	595,667	552,103	423,963	308,627	184,375	183,512	208,462	380,738	364,478	241,304	312,871	381,138	399,737	345,249	371,544	370,489
LYCOMING	23,919	25,040	58,616	63,653	64,848	44,945	51,237	44,145	43,840	49,215	32,562	25,070	25,741	33,174	35,754	27,034	23,089	36,026	48,423	56,961	85,609	63,141	57,178	60,354	58,611	38,770	29,302	71,207	136,828	102,540	88,035	60,184	49,598	80,709	83,372	104,896	132,315	457,239	436,508	490,197	480,573	321,341	259,625
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956		_	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
																				Total	Production	(net tons)																					

REGION	165,586	119,265	129,346	117,832	124,941	115,451	105,903	99,942	98,764	103,894	109,202	110,326	100,119	94,514	86,369	76,676	69,126	55,405	52,103	50,529	46,989	41,309	37,337	33,396	29,633	27,264	26,216	26,008	25,206	24,729	23,811	23,117	22,969	24,667	26,549	25,627	26,722	29,108	34,170	36,240	38,307	39,230	37,051
WESTMORELAND	20,246	13,327	12,663	8,994	9,771	9,423	8,976	8,094	8,304	8,009	8,400	7,981	6,894	5,919	5,444	4,906	4,470	2,522	2,918	2,725	2,364	2,116	1,921	1,771	1,633	1,449	1,411	1,411	1,280	1,228	1,093	891	737	835	898	839	828	968	916	666	1,029	924	879
WASHINGTON	20,768	15,002	19,336	17,529	17,745	15,993	13,968	13,844	13,518	14,753	15,514	15,834	15,047	14,348	13,336	11,871	12,056	9,419	8,081	7,726	6,424	6,070	2,660	5,294	4,371	4,160	3,963	3,990	4,044	4,381	4,379	4,356	4,115	4,481	4,611	4,516	4,810	5,244	5,849	5,734	5,944	5,987	5,792
VENANGO	19	9	25	55	747	35	22	16	17	61	70	57	52	91	73	108	176	154	187	170	144	172	159	116	86	66	148	116	95	104	114	84	126	85	86	71	69	79	77	93	130	206	185
TIOGA	869	519	557	365	472	325	252	248	225	229	189	208	189	156	129	130	63	57	99	84	116	126	107	106	98	83	79	89	87	80	91	100	119	112	139	98	105	98	97	111	143	144	125
SOMERSET	10,626	6,607	8,846	6,864	7,285	6,620	6,558	6,139	6,050	6,453	6,984	7,080	6,538	6,309	5,784	5,159	4,340	2,863	3,584	3,383	3,211	2,417	2,148	1,736	1,607	1,539	1,464	1,365	1,372	1,305	1,209	1,202	1,191	1,347	1,338	1,240	1,418	1,654	2,356	2,744	3,120	3 246	2,992
McKEAN	1		43		1	16	7		26	22	4	4	19	19	24	29	31	31	36	37	17	14	17	7	e	13	19	11	36	20	1		,	,			,	ŧ	t	,	,	,	ı
MERCER	443	423	623	267	366	294	295	245	217	251	209	264	191	320	334	287	284	230	220	289	172	190	168	183	206	197	140	119	115	118	78	39	43	41	56	40	41	31	43	57	62	20	78
LYCOMING	100	72	167	148	119	96	64	77	47	43	84	35	25	19	18	19	15	32	31	39	43	42	36	07	34	25	19	21	23	25	26	20	11	17	21	16	32	29	80	86	99	5.2	43
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
																				Employes																							

REGION	200	170	179	213	223	254	266	280	255	208	220	202	154	193	186	168	198	197	219	213	205	178	173	183	189	191	206	218	225	228	229	225	233	245	204	233	235	225	238	233	C17	191	104
WESTMORELAND	228	168	168	212	237	234	257	266	225	202	178	171	142	188	163	165	180	168	186	198	200	164	170	171	176	196	208	205	208	214	190	211	230	224	215	230	188	201	211	221	513	173	617
WASHINGTON	170	177	207	229	222	244	271	291	265	218	209	175	159	172	186	168	215	210	233	212	210	177	256	186	197	193	213	231	235	227	231	215	239	242	208	237	250	234	241	241	717	180	007
VENANGO	225	98	156	216	229	223	240	304	204	124	238	225	242	225	299	295	226	226	337	252	259	217	221	237	269	242	281	207	223	286	797	236	500	279	185	243	219	245	254	229	597	255	407
TIOGA	75	167	159	169	194	225	253	261	280	189	138	149	132	217	165	74	168	149	213	193	243	246	182	210	199	213	249	199	253	234	254	271	286	321	242	259	257	229	255	253	5/7	281	077
SOMERSET	221	164	180	182	219	239	269	282	265	203	174	161	146	166	173	149	140	121	171	193	173	145	130	148	151	155	175	179	195	208	226	226	220	208	201	223	236	229	236	228	717	186	+07
McKEAN		ı	205	1	,	189	7.1	•	200	203	53	212	118	196	226	168	265	200	296	286	228	238	223	168	27	166	149	157	09	99	•		•	ı	•	ı	•	1	•		1	1	
MERCER	230	184	200	188	237	260	203	272	257	195	256	224	237	195	228	207	197	185	339	183	255	240	797	252	241	259	265	238	240	273	219	196	251	253	233	298	263	272	255	226	786	290	C07
LYCOMING	229	237	219	234	215	262	239	271	271	165	103	109	238	216	797	. 177	236	173	236	240	270	219	239	176	177	154	183	227	245	202	215	196	289	320	226	295	268	253	254	294	300	277	0/7
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1717
																				Average	Days	Worked																					

REGION	312	208	161	188	166	187	178	164	141	128	134	114	65	83	70	63	29	777	50	51	53	32	35	26	22	59	21	18	33	28	27	29	25	30	32	19	17	20	17	19	12	7	13
WESTMORELAND	42	20	19	00	25	23	19	14	16	13	6	īU	īV	10	7	13	7	2	6	1	e	e	2	1	1	1	2	2	2	1	2	1	1	1	2	1	1	1	1	1		1	1
WASHINGTON	30	34	23	22	18	29	28	16	23	21	16	17	2	13	15	7	80	9	9	11	12	9	3	2	3	3	4	3	7	2	7	7	5	7	3	7	5	5	3	1	3	,	9
VENANGO	1		,	,	,		,			•											1		1		1	1	,	1	1	1	ı	1	1		1	1	1	•		1	•		1
TIOGA	1	2	1	2	1	1		2	1	1		1			,	•		1	1	1	1		1		1	•	1	1	1	1		1	1	1	1	1		,	1	1	1		1
SOMERSET	19	21	13	æ	5	6	10	7	1	10	7	5	7	2	5	7	3	1	3	7	1	2	1	2	2	1	1	1	1	1	1		3	2	1	2	9	1	1	1	1	-	ī
MCKEAN		1	,		,			1		1	1	1	1	1	1	1	1	1	1	1	1	1	•		1	1	1		1		1	1	1		1	1	1	,	1	1		•	
MERCER			1		1	1	1	2		1	1	1	1	1	1	1	1		1	1			•		1	1	1		1		1	1	1	1	1	1	1	1	1		,	•	1
LYCOMING			•		•		1	1		,		1	1	1	1	1	1	1	1			•	•	1					1			•					,	,	,	,	•	,	1
YEAR	1925	1931	1935	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
																					Fatal-	ities																					

22,850         101,947         -         2,344,941         52,444           17,064         77,955         -         1,578,575         86,777           36,615         17,955         -         1,588,375         86,777           25,539         86,842         -         1,539,746         10,1734           24,606         78,300         3,024         1,588,309         73,537           11,733         60,148         500         1,586,401         91,734           24,606         78,300         3,024         1,588,509         73,537           11,739         48,970         4,456         1,720,00         64,812           11,399         48,970         4,456         1,311,112         64,812           11,399         48,970         4,456         1,311,112         64,812           4,934         48,970         4,456         1,311,112         64,812           4,934         48,970         4,456         1,131,089         310,025           4,934         48,970         4,456         1,131,089         310,025           4,934         48,970         4,456         1,131,089         310,025           4,934         48,270         1,020,033	YEAR	LYCOMING	MERCER	McKEAN	SOMERSET	TTOGA	VENANCO	WASHINGTON	WESTMORFI AND	PECTON
1931   17,064	1925	22,850	101,947		2.344.941	52.444	4.275	3.536.159	4 607 224	33 171 76
1935         35,615         124,902         8,800         1,588,776         68,593           1940         35,539         86,842         -         1,239,740         61,866           1941         25,539         86,842         -         1,588,509         73,357           1943         11,728         66,844         -         1,588,509         73,357           1945         11,726         55,795         5,200         1,722,431         64,817           1946         11,396         66,844         -         1,728,431         64,817           1947         11,396         66,844         -         1,728,431         64,817           1948         11,396         66,844         -         1,728,431         64,817           1948         3,500         45,209         2,245         1,911,4369         21,102           1950         4,112         65,200         2,245         191,366         24,830           1951         4,112         65,200         2,245         191,463         31,022           1952         4,112         65,200         2,245         191,463         31,022           1953         4,112         65,200         1,126,206         24,	1931	17,064	77,955	1	1,578,575	86,757	588	2,658,486	2,239,945	20, 226, 348
1940         34,556         50,107         -         1,299,740         61,860           1941         25,539         86,842         -         1,594,641         10,734           1942         11,733         60,448         500         1,784,310         64,812           1944         11,736         66,847         -         1,784,311         64,812           1944         11,906         66,847         -         1,784,311         64,812           1946         11,306         66,847         -         1,782,411         64,812           1947         4,944         53,564         4,456         1,131,112         64,312           1948         1,139         64,812         64,812         65,206         1,602,686         63,001           1949         5,946         4,456         1,131,112         64,312         64,812         64,812           1950         4,112         65,240         3,724         1,402,566         26,256         1,134,069         11,249           1951         4,112         65,240         3,724         1,002,633         1,249         16,664           1952         4,112         65,240         3,724         1,002,634         10,984	1935	36,615	124,902	8,800	1,588,376	88,593	3,900	3,997,248	2,122,995	23,139,543
1941         25,539         86,842         -         1,594,641         91,734           1942         24,606         78,300         3,024         1,588,509         1,762,100         63,777           1943         11,908         66,847         -         1,588,509         64,812           1946         11,908         66,847         -         1,762,100         63,777           1946         11,908         66,847         -         1,762,100         63,777           1947         4,934         53,664         213         1,126,56         62,266         63,001           1947         4,934         53,664         213         1,216,256         62,256         1,002,108         24,333         1,002           1949         4,934         59,061         4,456         1,002,108         24,333         1,002	1940	34,596	50,107	. 1	1,239,740	61,860	11,909	4,018,927	1,903,517	24,996,290
1942         24,606         78,300         3,024         1,588,509         73,357           1944         11,733         60,148         500         1,588,509         73,377           1944         11,734         60,148         50         1,762,100         64,812           1945         11,739         66,847         -         1,728,431         64,812           1946         11,339         66,847         -         1,602,686         63,001           1947         4,934         53,664         4,456         1,131,112         64,812           1948         5,795         5,200         1,602,686         63,001           1949         5,940         4,456         1,311,112         64,812           1951         4,112         62,240         3,727         1,488,617         31,022           1951         4,112         62,246         3,727         1,448,811         10,224           1952         4,112         62,240         3,727         1,448         10,594           1953         3,552         55,910         8,221         1,002,033         21,249           1954         4,767         6,234         4,279         1,002,033         21,249	1941	25,539	86,842	,	1,594,641	91,734	10,096	3,946,014	2,316,383	27,958,946
1943         11,733         60,148         500         1,762,100         63,777           1944         11,908         66,847         -         1,728,431         64,812           1945         11,399         48,970         4,456         1,311,112         43,332           1946         4,934         53,564         1,311,112         45,333           1948         3,734         4,456         1,311,112         45,333           1949         5,950         4,520         1,216,256         26,256           1950         4,172         6,204         3,727         1,002,631         21,249           1950         4,176         76,234         5,420         1,002,633         21,249         3,1819           1951         4,767         76,234         5,420         1,002,633         21,249         3,1819           1952         4,767         76,234         5,420         1,002,633         21,249         3,1819           1953         3,532         5,940         4,821         6,204         3,1482         1,143         6,566           1954         4,767         5,420         1,002,634         3,149         6,566         1,143           1955 <t< td=""><td>1942</td><td>24,606</td><td>78,300</td><td>3,024</td><td>1,588,509</td><td>73,357</td><td>7,825</td><td>3,912,695</td><td>2,213,454</td><td>29,811,087</td></t<>	1942	24,606	78,300	3,024	1,588,509	73,357	7,825	3,912,695	2,213,454	29,811,087
1944         11,908         66,847         -         1,728,431         64,812           1945         11,306         66,847         -         1,728,431         64,812           1946         11,306         48,970         4,456         1,311,112         43,332           1947         4,934         53,564         213         1,116,256         26,256           1948         3,738         59,661         848         1,1143,089         31,022           1950         45,209         2,245         1,048,617         33,819           1951         4,112         62,240         3,727         1,048,617         33,819           1952         3,372         1,048,617         33,819         36,812         36,817         36,819           1952         3,372         1,048,617         33,819         36,407         4,822         10,020,033         38,506         46,327         10,020,033         38,506         46,327         10,030,044         10,597         10,496         10,597         10,496         10,597         10,596         10,594         46,406         10,594         46,406         10,594         46,406         10,594         46,406         10,448,40         10,594         46,406 <td< td=""><td>1943</td><td>11,733</td><td>60,148</td><td>200</td><td>1,762,100</td><td>63,777</td><td>5,293</td><td>3,795,408</td><td>2,312,450</td><td>28,233,049</td></td<>	1943	11,733	60,148	200	1,762,100	63,777	5,293	3,795,408	2,312,450	28,233,049
1945         12,726         55,795         5,200         1,602,686         63,001           1946         11,339         48,970         4,456         1,311,112         45,205           1947         4,934         45,504         213         1,022         26,256           1948         3,798         59,061         848         1,143,089         31,022           1950         4,112         6,234         5,420         1,002,053         21,249           1951         4,717         76,234         5,420         1,002,053         21,249           1951         4,767         76,234         5,420         1,002,053         21,249           1952         3,379         55,910         8,221         1002,053         21,249           1953         3,379         5,540         4,872         76,443         10,594           1954         4,730         4,872         76,443         10,594           1955         4,370         4,880         10,652         61,4482         14,046           1955         4,370         3,880         555,885         28,237           1956         4,370         4,380         10,652         61,4482         14,046 <tr< td=""><td>1944</td><td>11,908</td><td>66,847</td><td>1</td><td>1,728,431</td><td>64,812</td><td>4,863</td><td>4,027,095</td><td>2,150,936</td><td>27,967,520</td></tr<>	1944	11,908	66,847	1	1,728,431	64,812	4,863	4,027,095	2,150,936	27,967,520
1946         11,399         48,970         4,456         1,311,112         43,322           1947         4,934         53,64         213         1,1216,256         25,556           1948         3,738         59,061         848         1,4316,256         26,256           1949         5,950         45,209         2,245         95,366         24,885           1950         4,112         6,224         3,727         1,002,053         21,249           1951         4,767         76,234         5,421         1,020,053         21,249           1952         3,379         59,407         4,872         1,048,617         31,249           1953         3,379         59,407         4,872         1,048,617         31,249           1954         5,540         8,221         609,43         1,597         1,597           1955         9,226         45,538         10,652         614,482         14,046           1955         11,599         44,327         3,739         28,436         11,046           1956         5,542         45,538         3,332         14,046         11,046           1967         7,035         46,202         1,179         22,4	1945	12,726	55,795	5,200	1,602,686	63,001	3,474	3,581,816	1,870,642	25,165,237
1947         4,934         53,564         213         1,116,256         26,256           1948         3,798         59,061         848         1,113,086         34,022           1950         4,112         62,209         2,245         951,366         34,895           1951         4,112         62,240         3,727         1,048,617         33,819           1951         4,767         76,244         5,420         1,002,033         21,249           1952         3,379         59,407         4,812         7664,72         9,656           1954         5,542         4,2579         6,206         348,436         8,506           1954         5,542         4,2,579         6,206         348,436         8,506           1955         11,599         4,390         3,880         55,835         10,594           1956         9,366         10,195         10,494         10,494           1957         11,599         44,327         3,793         28,496         10,194           1958         8,622         44,327         3,793         28,496         10,194           1960         4,337         1,179         25,835         28,237	1946	11,399	48,970	4,456	1,311,112	43,332	7,549	3,219,689	1,020,664	21,048,972
1948         3,798         59,061         848         1,143,089         31,022           1950         4,712         62,240         3,245         361,366         22,895           1950         4,717         76,234         5,420         1,002,053         21,249           1951         4,767         76,234         5,420         1,002,053         21,249           1952         3,379         59,407         4,872         766,472         9,556           1953         3,522         55,910         6,206         348,436         8,506           1954         7,307         74,580         10,652         614,482         14,046           1955         9,226         42,579         656,443         8,506           1958         9,226         42,579         6,206         348,436         16,144           1958         9,226         43,900         3,880         555,835         16,144           1958         9,226         45,538         3,332         349,260         11,045           1960         7,037         44,373         3,173         278,357         11,170           1961         6,034         46,202         1,179         278,311         17,46 </td <td>1947</td> <td>4,934</td> <td>53,564</td> <td>213</td> <td>1,216,256</td> <td>26,256</td> <td>16,693</td> <td>3,243,826</td> <td>1,497,347</td> <td>21,679,669</td>	1947	4,934	53,564	213	1,216,256	26,256	16,693	3,243,826	1,497,347	21,679,669
1949         5,950         45,209         2,245         951,366         24,855           1950         4,112         62,240         3,727         1,048,617         33,819           1951         4,767         76,234         3,727         1,048,617         31,249           1952         3,379         59,407         4,872         766,472         9,656           1954         5,542         45,579         8,221         609,433         10,597           1954         5,542         45,579         8,221         609,433         10,597           1955         9,376         52,916         10,652         614,482         14,046           1955         9,226         45,538         3,332         459,560         11,04           1956         11,599         45,338         3,332         459,260         31,065           1960         7,035         46,202         1,179         246,327         11,483           1961         6,34         49,686         81         241,953         11,183           1962         1,386         51,113         21,18         246,387         11,196           1963         3,481         37,78         2,826         11,79	1948	3,798	59,061	848	1,143,089	31,022	12,823	2,764,413	1,362,650	19,509,263
1950         4,112         62,240         3,727         1,048,617         33,819           1951         4,767         76,244         1,002,03         21,249           1952         3,379         59,407         4,872         1,002,03         21,249           1954         5,542         42,579         6,206         348,436         8,506           1954         5,542         42,579         6,206         348,436         8,506           1955         7,307         7,4580         10,652         614,482         16,194           1955         11,599         43,900         3,880         555,835         28,237           1958         8,622         44,327         3,799         278,957         10,488           1960         7,035         46,202         1,179         256,391         22,22           1961         6,034         49,286         11,179         256,391         17,488           1962         3,880         555,835         22,22         10,483           1963         4,4327         3,799         278,957         11,488           1964         4,732         3,799         278,957         11,488           1964         4,775	1949	5,950	45,209	2,245	951,366	24,895	12,608	2,392,385	980,164	15,642,145
1951         4,767         76,234         5,420         1,002,053         21,249           1952         3,379         59,407         4,821         009,447         9,656           1953         3,552         55,910         6,206         348,436         10,597           1954         7,307         74,380         10,652         104,482         14,046           1955         9,376         52,916         10,594         654,486         16,194           1956         9,226         45,538         3,332         349,560         11,046           1958         8,622         45,538         3,332         349,560         11,046           1960         7,033         46,202         1,179         256,391         22,222           1961         6,034         49,686         81         241,953         17,146           1962         3,856         51,173         244,957         17,46           1963         3,481         37,078         2,826         256,31         17,76           1964         4,775         28,337         1,727         244,780         17,76           1965         5,641         17,053         27,100         18,70	1950	4,112	62,240	3,727	1,048,617	33,819	20,476	2,463,502	1,110,737	16,417,442
1952         3,379         59,407         4,882         766,472         9,666           1954         5,522         6,206         348,436         9,666           1954         5,542         42,579         6,206         348,436         8,506           1955         7,307         74,580         10,652         614,482         14,046           1956         9,226         45,538         10,652         614,482         16,046           1957         11,599         43,900         3,80         55,835         22,23           1958         8,622         44,527         3,799         26,446         11,94           1960         7,035         46,202         1,179         26,337         11,1483           1961         3,856         51,113         2,158         238,131         11,708           1963         3,856         51,113         2,158         238,131         11,708           1964         4,775         28,337         1,727         244,780         11,768           1965         5,641         27,573         2,178         22,035         2,035           1966         5,641         17,055         -         27,013         27,101	1951	4,767	76,234	5,420	1,002,053	21,249	21,855	2,477,979	886,064	16,036,009
1953         3,552         55,910         8,221         609,443         10,597           1954         5,542         42,579         6,266         348,436         8,506           1955         7,307         6,266         348,436         8,506           1956         9,376         52,916         10,652         14,046           1957         11,599         43,900         3,880         555,835         28,237           1958         9,226         44,327         3,799         278,537         10,656           1960         7,035         46,202         1,179         256,391         22,222           1961         6,034         49,866         81         244,957         10,483           1962         3,481         37,078         2,826         256,771         10,483           1963         4,775         28,24         2,178         244,780         17,760           1964         4,775         28,37         1,727         244,780         17,760           1965         5,641         27,573         2,178         26,771         19,645           1966         5,641         17,641         -         27,101         27,100           196	1952	3,379	59,407	4,872	766,472	9,656	31,834	1,999,967	808,036	12,906,961
1954         5,542         42,579         6,206         348,436         8,506           1955         7,307         74,580         10,554         614,482         16,046           1956         9,376         74,380         10,554         614,482         16,194           1957         11,599         43,900         3,880         555,835         28,237           1958         8,622         44,327         3,732         349,260         31,665           1960         7,035         46,202         1,179         256,391         22,222           1961         6,034         49,686         81         241,953         17,146           1962         3,481         37,078         2,826         256,331         17,146           1963         3,481         37,078         2,826         256,771         19,645           1964         4,775         28,337         1,727         244,780         17,760           1965         5,644         17,055         2,178         268,115         22,131           1966         5,054         17,054         -         272,013         22,131           1968         3,931         10,374         -         272,013	1953	3,552	55,910	8,221	609,443	10,597	39,779	2,590,581	802,783	13,656,135
1955         7,307         74,580         10,652         614,482         14,046           1956         9,376         52,916         10,594         654,496         16,194           1957         11,599         45,538         3,332         349,260         31,065           1958         8,622         44,327         3,799         258,391         22,292           1960         7,035         46,202         1,179         256,391         22,292           1961         6,034         49,686         81         241,953         17,148           1962         3,816         51,113         2,158         238,131         17,708           1963         3,481         37,078         2,826         256,711         19,645           1964         4,775         28,337         1,727         244,780         17,708           1965         5,641         27,573         2,178         268,115         22,035           1966         5,641         17,035         -         272,013         22,035           1966         5,641         17,035         -         272,013         22,035           1967         5,641         17,035         -         272,013 <t< td=""><td>1954</td><td>5,542</td><td>42,579</td><td>6,206</td><td>348,436</td><td>8,506</td><td>34,826</td><td>1,975,191</td><td>423,834</td><td>10,342,874</td></t<>	1954	5,542	42,579	6,206	348,436	8,506	34,826	1,975,191	423,834	10,342,874
1956         9,376         52,916         10,594         654,496         16,194           1957         11,599         43,900         3,880         555,835         22,37           1958         9,226         44,327         3,332         349,260         31,065           1959         8,622         44,327         3,332         349,260         31,065           1960         7,035         46,202         1,179         256,391         22,222           1961         6,034         46,202         1,179         256,391         22,292           1962         3,881         37,078         2,188         238,131         17,146           1963         3,481         37,078         2,826         256,771         17,146           1964         4,775         28,26         256,771         17,146           1965         5,641         27,573         2,178         268,115         22,035           1967         5,641         17,055         -         273,001         22,131           1968         3,931         10,780         -         273,001         23,131           1970         4,713         11,922         -         226,007         33,726	1955	7,307	74,580	10,652	614,482	14,046	63,107	1,886,560	541,990	11,401,377
1957         11,599         43,900         3,880         555,835         28,237           1958         9,226         44,327         3,322         349,260         31,065           1959         8,622         44,1327         3,799         278,956         31,065           1960         7,035         46,202         1,179         256,391         22,292           1961         6,034         49,686         81         241,953         117,146           1962         3,886         51,113         2,188         256,771         19,645           1964         4,775         2,826         256,771         19,645           1964         4,775         2,826         256,771         19,645           1966         5,644         17,055         2,178         264,1780         17,760           1967         5,644         17,055         -         271,061         18,707           1968         3,921         17,741         -         272,013         27,100           1969         3,303         10,374         -         272,013         27,100           1970         4,713         11,922         -         270,015         33,726           1974 </td <td>1956</td> <td>9,376</td> <td>52,916</td> <td>10,594</td> <td>654,496</td> <td>16,194</td> <td>42,801</td> <td>1,639,999</td> <td>538,348</td> <td>10,757,603</td>	1956	9,376	52,916	10,594	654,496	16,194	42,801	1,639,999	538,348	10,757,603
9,226 45,538 3,332 349,260 31,065 6,034 46,327 3,799 278,957 19,483 7,035 46,022 1,179 256,391 17,146 3,856 51,113 2,158 238,131 17,708 3,481 37,078 2,826 256,771 19,645 4,775 28,337 1,727 244,780 17,708 5,641 27,573 2,178 268,115 22,035 5,057 32,177 1,320 271,061 18,707 5,604 17,055 - 273,207 23,131 3,921 7,641 - 273,207 23,131 5,436 10,374 - 273,207 23,101 3,331 10,546 - 275,013 27,100 3,303 10,874 - 281,011 35,999 4,756 113,051 - 276,729 22,241 8,579 10,767 - 339,191 27,004 11,002 20,341 11,002 - 556,920 15,819 17,387 - 666,526 39,203 15,819 17,355 - 666,526 39,206 11,616 20,655 - 699,066 27,006		11,599	43,900	3,880	555,835	28,237	37,346	1,347,653	473,330	9,646,511
8,622	1958	9,226	45,538	3,332	349,260	31,065	37,355	1,075,914	347,233	7,339,300
7,035         46,202         1,179         256,391         22,222           6,034         49,686         81         241,953         17,146           3,856         51,118         2,826         256,771         17,068           3,481         37,078         2,826         256,771         19,645           4,775         28,337         1,727         244,780         17,760           5,641         27,273         2,178         268,115         22,035           5,604         17,055         -         273,207         23,131           3,303         10,780         -         262,607         34,018           5,436         10,374         -         267,607         34,018           4,736         13,021         -         267,607         34,018           4,736         10,374         -         270,015         33,726           4,736         11,022         -         270,015         33,93           17,003         8,459         -         270,015         339,191         27,004           20,341         11,002         -         255,95         25,30         25,50           20,341         11,002         -         256,95	1959	8,622	44,327	3,799	278,957	19,483	35,123	885,253	325,874	6,442,554
6,034         49,686         81         241,953         17,146           3,856         51,113         2,158         238,131         17,708           3,481         37,078         2,826         256,771         19,645           4,775         28,337         1,727         244,780         17,760           5,641         27,573         2,178         268,115         22,035           5,057         32,177         1,320         271,061         18,707           5,604         17,055         -         273,207         23,131           3,921         7,641         -         272,013         23,131           5,436         10,374         -         272,013         23,131           4,736         10,374         -         276,013         23,101           8,579         10,767         -         276,015         33,726           4,736         11,002         -         276,015         33,726           4,739         10,767         -         276,015         22,541           8,579         10,767         -         339,191         27,004           17,003         8,459         -         556,952         19,406	1960	7,035	46,202	1,179	256,391	22,292	27,440	984,439	303,676	6,124,070
3,856 51,113 2,158 238,131 17,708 3,481 37,078 2,826 256,771 19,645 4,777 28,337 1,72 244,780 17,708 2,5,471 19,645 17,708 2,641 27,573 2,178 268,115 22,035 5,644 17,555 32,177 1,320 271,061 18,707 2,430 10,760 - 222,607 24,018 2,436 10,740 - 222,607 24,018 2,436 10,740 - 222,607 24,713 11,922 - 270,015 33,126 4,713 11,922 - 270,015 33,126 4,713 11,922 - 270,015 339,191 27,004 17,003 8,459 - 526,552 19,406 28,813 12,887 - 666,526 28,149 11,616 20,655 - 699,066 27,006 11,616 20,635 - 699,066 27,006	1961	6,034	49,686	81	241,953	17,146	26,342	862,489	286,672	5,598,006
3,481       37,078       2,826       256,771       19,645         4,775       28,337       1,727       244,780       17,760         5,641       27,2178       2,178       22,035         5,604       17,055       -       273,207       23,131         3,921       7,641       -       272,013       27,100         3,303       10,800       -       265,607       34,018         5,456       10,374       -       281,011       35,999         4,736       13,051       -       270,015       33,726         4,713       11,922       -       270,015       33,726         4,713       11,922       -       270,015       33,726         4,714       11,003       8,459       -       28,519       22,241         8,579       10,767       -       339,191       27,004         20,341       11,002       -       55,95       28,149         19,231       17,755       -       660,526       39,203         19,616       20,665       -       50,066       27,006	1962	3,856	51,113	2,158	238,131	17,708	23,910	802,853	283,939	5,209,651
4,775       28,337       1,727       244,780       17,760         5,641       27,573       2,178       268,115       22,035         5,604       17,055       -       273,207       23,131         3,921       7,641       -       273,207       23,131         5,436       10,374       -       273,201       23,131         6,436       10,374       -       26,607       34,018         4,756       13,051       -       26,70015       33,226         4,734       11,922       -       26,729       22,241         8,573       10,767       -       339,191       27,004         17,003       8,459       -       379,344       22,530         20,341       11,002       -       556,952       28,449         19,21       17,755       -       660,526       39,203         19,21       17,351       -       660,526       39,203         11,616       20,665       -       699,666       27,006       -	1963	3,481	37,078	2,826	256,771	19,645	41,535	845,416	294,192	5,407,629
5,641 27,573 2,178 268,115 22,035 5,057 32,177 1,320 271,061 18,707 5,604 17,055 - 273,207 23,131 3,921 17,641 - 273,207 23,131 5,436 10,746 - 272,013 27,100 4,756 11,074 - 281,011 35,999 4,756 13,051 - 270,015 33,726 4,713 11,922 - 270,015 33,726 4,73 10,767 - 339,191 27,004 17,003 8,459 - 556,952 19,406 28,813 12,887 - 626,550 28,149 15,819 17,755 - 660,526 39,203 11,616 20,655 - 699,666 27,006	1964	4,775	28,337	1,727	244,780	17,760	24,067	921,735	288,907	5,684,778
5,057 32,177 1,320 271,061 18,707 3,705 17,055 - 273,207 23,131 3,921 7,641 - 273,207 23,131 3,921 7,641 - 273,207 23,131 3,931 10,780 - 262,607 34,018 5,436 10,374 - 281,011 35,999 4,715 11,922 - 281,011 33,726 4,713 11,922 - 276,729 22,241 8,579 10,767 - 339,191 27,004 17,003 8,459 - 379,344 22,530 20,341 11,887 - 626,750 28,149 15,819 17,755 - 660,526 39,203 15,819 17,355 - 660,526 39,203 11,616 20,655 - 699,066 27,006	1965	5,641	27,573	2,178	268,115	22,035	21,198	952,692	266,404	5,674,572
5,604 17,055 - 273,207 23,131 3,921 7,641 - 272,013 27,100 3,303 10,780 - 262,607 34,018 5,436 10,374 - 281,011 35,999 4,736 13,051 - 270,015 33,726 4,713 11,922 - 276,729 22,241 8,579 10,767 - 339,191 27,004 17,003 8,459 - 339,191 27,004 20,341 11,002 - 556,952 28,449 28,813 12,887 - 626,750 28,449 19,231 17,755 - 660,526 39,203 15,819 17,381 - 660,526 38,446 11,616 20,655 - 699,066 27,006	1966	5,057	32,177	1,320	271,061	18,707	29,767	996,318	263,037	5,647,153
3,921 7,641 - 272,013 27,100 3,303 10,786 - 262,607 34,018 5,436 10,374 - 281,011 35,999 4,756 113,051 - 270,015 33,726 4,713 11,922 - 270,015 33,726 17,003 8,459 - 379,344 22,530 20,341 11,002 - 555,952 19,406 28,813 12,887 - 660,526 39,203 15,819 17,755 - 660,526 39,203 11,616 20,655 - 699,666 27,006	1967	5,604	17,055	1	273,207	23,131	30,110	1,011,991	208,270	5,444,286
3,303 10,780 - 262,607 34,018 5,436 10,374 - 281,011 35,999 4,756 13,051 - 270,11 33,726 4,713 11,922 - 276,729 22,241 8,579 10,767 - 339,191 27,004 17,003 8,459 - 379,344 22,530 20,341 11,002 - 556,922 28,149 28,813 12,887 - 626,750 28,149 15,819 17,755 - 660,526 39,203 11,616 20,655 - 699,066 27,006	1968	3,921	7,641	1	272,013	27,100	19,815	938,643	187,830	5,214,180
5,436 10,374 - 281,011 35,999 4,736 13,051 - 270,015 33,726 4,713 11,922 - 276,729 22,241 8,579 10,767 - 339,191 27,004 17,003 8,459 - 376,344 22,530 20,341 11,002 - 556,952 19,406 28,813 12,887 - 626,750 28,449 19,231 17,755 - 660,526 39,203 15,819 17,381 - 603,367 38,746 11,616 20,655 - 699,066 27,006	1969	3,303	10,780	,	262,607	34,018	26,294	982,628	169,676	5,346,845
4,756 13,051 - 270,015 33,726 4,713 11,922 - 276,729 22,241 8,579 10,767 - 339,191 27,004 17,003 8,459 - 379,344 22,530 20,341 11,002 - 556,952 19,406 28,813 12,887 - 626,750 28,149 19,231 17,755 - 660,526 39,203 15,819 17,381 - 660,526 39,203 11,616 20,655 - 699,666 27,006	1970	5,436	10,374	1	281,011	35,999	23,728	1,127,035	187,259	5,793,426
4,713     11,922     -     276,729     22,241       8,579     10,767     -     339,191     27,004       17,003     8,459     -     379,344     22,530       20,341     11,002     -     556,952     19,406       28,813     12,887     -     626,750     28,149       19,231     17,755     -     660,526     39,203       15,819     17,755     -     60,526     39,203       11,616     20,655     -     699,066     27,006	1971	4,756	13,051	•	270,015	33,726	18,160	959,108	187,033	5,417,244
8,579 10,767 - 339,191 27,004 17,003 8,459 - 379,344 22,530 20,341 11,002 - 556,952 19,406 28,813 12,887 - 626,750 28,149 15,819 17,755 - 600,526 39,203 11,616 20,655 - 699,066 27,006	1972	4,713	11,922	1	276,729	22,241	17,227	1,069,446	193,141	5,983,887
17,003 8,459 - 379,344 22,530 20,341 11,002 - 556,952 19,406 28,813 12,887 - 626,750 28,149 19,231 17,755 - 660,526 39,203 15,819 17,381 - 603,367 38,746 11,616 20,655 - 699,066 27,006	1973	8,579	10,767		339,191	27,004	15,135	1,201,858	156,025	6,276,867
20,341 11,002 - 556,952 19,406 28,813 12,887 - 626,750 28,149 19,231 17,755 - 660,526 39,203 15,819 17,381 - 603,367 38,746 11,616 20,655 - 699,066 27,006	1974	17,003	8,459	,	379,344	22,530	15,720	1,228,497	180,173	6,565,713
28,813 12,887 - 626,750 28,149 10,231 17,75 - 660,526 39,203 15,819 17,381 - 603,367 27,006 11,616 20,655 - 699,066 27,006	1975	20,341	11,002	,	556,952	19,406	19,596	1,413,020	194,143	8,162,405
19,231 17,755 - 660,526 39,203 15,819 17,381 - 603,367 38,46 11,616 20,655 - 699,066 27,006	1976	28,813	12,887	1	626,750	28,149	21,303	1,386,927	220,779	8,466,001
15,819 17,381 - 603,367 38,746 11,616 20,655 - 699,066 27,006	1977	19,231	17,755	1	660,526	39,203	34,479	1,255,392	219,576	8,140,020
11,616 20,655 - 699,066 27,006	1978	15,819	17,381	,	603,367	38,746	52,571	1,078,549	159,712	7,476,714
	1979	11,616	20,655	,	990,669	27,006	46,928	1,368,762	187,529	8,660,368

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	YEAR	LYCOMING	MERCER	MCKEAN	SOMERSET	TIOGA	VENANGO	WASHINGTON	WESTMORELAND	REGION
	1925				506,836	1		514,051	493,348	433.547
	1931			,	347,920	95,057	1	401,184	562,169	465,597
	1935		324,260	,	436,549		ı	690,886	473,119	566,089
	1940			'	604,880	95,299		812,389	1,094,610	592,643
	1941		428,239		1,227,546	319,083	,	1,106,467	435,039	767.887
	1942		1	,	770,989			712,451	546,420	763,420
	1943	51,237	418,298	,	761,327			725,410	664,368	785,401
	1944		317,166		1,176,652	134,088		1,320,583	889,772	880,539
	1945			,	7,594,498			789,246	688,080	926,928
	1946		1	•	666,347			904,003	749,841	965,524
	1947		353,523		1,146,756		1	1,338,078	1,098,055	1.080,313
	1948		389,800	•	1,508,878	,		1,073,243	1,798,697	1 145 857
	1949		406,073		1,240,335	ı	1	2,496,883	1,044,767	1.343.875
	1950		. '	,	2,950,926	1		1,134,212	613,200	1,246,264
	1951			1	1,302,668	,		1,073,791	822,773	1,524,001
	1952		•	1	1,245,500	•		1,950,940	404.018	1,385,857
	1953		559,100	,	1,320,459		•	2,104,847	1 304 523	1 372 211
	1954		. "	,	2,264,833	,		2 319 790	1 377 460	1,572,212
	1955	48.423	,	,	1 159 935			2,512,120	7.36 880	1 700 857
Production	1956		,	,	1 068 383			1 367, 927	400,000	1,700,004
Per Fatal	1957			,	3 827 771	•	700 057	1 1 1 0 6 6 5	1,000,410	1,101,110
Tarat tar	1058		1	1	1,027,771	•	190,034	1,140,000	1,5/9,083	1,586,123
	1970	•			1,333,971	t		1,/62,552	1,185,965	2,106,205
	1959				2,211,735			3,326,339	1,718,285	1,875,074
	1960				1,090,654			2,426,640	1	2,522,923
	1961		1		1,107,824	1	1	3,453,012	ı	2,871,423
	1962			1	2,702,986			3,648,455	3,730,800	1,112,678
	1963		1	1				3,036,517	1,949,431	3,393,284
	1964			•	3,409,154			4,492,614	2,072,855	4,295,655
	1965		,	,	1	1		2,031,491	2,152,623	2,427,865
	1966			,	3,959,415		1	7,072,565	1	2,908,916
	1967		1	•	4,017,512			3,694,589	1,778,469	2,929,681
	1968			1			1	1,941,874	2,952,224	2,610,849
	1969		1	ı	1,344,593	,	1	2,752,280	2,591,158	3,127,401
	1970			,	1,865,079		1	3,615,401	2,626,597	2,669,730
	1971			1	3,911,875			4,181,901	1,197,353	2,243,021
	1972			1	1,795,722	1		3,417,676	2,340,787	3,992,797
	1973	1		,	739,652			2,687,140	. '	4,517,450
	1974	٠		,	5,487,094	1	1	2,616,600	1	4,002,109
	1975			1	5,860,115	541,895	ı	4,470,970	1	4,969,354
	1976	1		,	6,386,533	. •	1	12,445,824	1	4,513,046
	1977			•	7,085,981	681,209	,	3,731,373	,	7,201,823
	1978			1	6,275,666	. •	ı	1	1	11,477,559
	1979			ı	6,988,157		,	3,781,925	1	6,858,992

	YEAR	TOTAL PRODUCTION	EMPLOYES	DAYS WORKED	FATALITIES	MAN-DAYS	PRODUCTION PER FATAL
CRAWFORD COUNTY	1950	3,850	9	97	•	276	•
	1943	1.988	m	76	1	228	
	1944	3,897	- 10	280		1.400	1
	1945	3,471	5	200	•	1,000	
	1946	3,010	5	200	,	1,000	,
	1947	5,298	5	200		1,000	
	1948	19,140	10	191	•	1,914	•
	1949	32,699	33	244	•	8,040	ı
	1950	98,702	38	274	•	9,371	•
	1951	72,566	38	224	•	8,518	
	1952	66,206	19	290	•	5,512	
	1953	51,836	12	288	ı	3,456	•
CAMERON COUNTY	1954	59,832	18	222	•	3,989	·
	1955	83,841	24	274	•	6,580	
	1956	77,510	15	239	ı	3,589	•
	1957	62,634	32	241	ı	7,704	ŧ
	1958	28,712	37	232		8,576	•
	1959	51,629	35	241		8,438	
	1960	107,578	34	238		8,105	ı
	1961	58,663	21	250		5,246	
	1962	78,757	22	266	•	5,858	
	1963	68,207	15	279		4,188	
	1964	51,316	15	248		3,721	
	1965		10	80	•	196	
	1966 thru 1979			,	,	٠	•

### BITUMINOUS COAL REGION

### COUNTY-DISTRICT CROSS REFERENCE LIST

1979

County	Mine Inspection Districts
Allegheny	1, 5, 6, 11, 12, 32, 34
Armstrong	2, 10, 11, 14, 35, 35A
Beaver	1, 26, 30, 32
Bedford	65
Blair	-
Bradford	17
Butler	1, 30
Cambria	17, 18, 19, 20, 21, 24, 42, 43
Cameron	-
Centre	17, 47
Clarion	9, 36, 37
Clearfield	9, 17, 43, 44, 45, 45A, 47
Clinton	17, 46
E1k	9, 49
Fayette	8, 13, 33, 33A, 34A
Fulton	65
Greene	3, 4, 13, 26, 32B
Huntingdon	65
Indiana	11, 14, 15, 16, 18, 19, 25, 39, 39A
Jefferson	9, 14, 38, 38A
Lawrence	1, 31
Lycoming	17, 46
Mercer	1, 31
Somerset	21, 22, 23, 40, 40A, 41
Tioga	17, 46
Venango	1, 37
Washington	6, 7, 8, 26, 32, 32A
Westmoreland	11, 12, 23, 32, 34, 34A



### PRODUCTION TABLE

District 1

			Productio	Production of Coal	3	sal.			••.			
		Ship	Shipped to Market		: Coal Used : Locally	Used in	Total	Total	: : Aver-		4	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
Operators and Mines	County	By Rail	By Water	By Truck	: Domestic : Purposes	facture of Coke	tion of Coal	tion of Coke	tion : Days of Em-acci- of Coke : Worked ploves dents	of Em-		acci-
Ambrosia Coal & Construction Co.	Lawrence	ı	1					•	305	7		
Bethlehem Mines Corp.												
Fawn No. 91	Butler	253,081			1	1	253,081	ı	225	207	1	14
Fawn No. 91 Cleaning Plant	Butler		•	-		-	-	-	225	18	'	
Total		253,081	-	-		-	253,081	1		225	1	14
Black Fox Mining & Development Corp.									0			
Hooker Tipple	Butler			ı				1	226	4 (	•	ı
Karns City Tipple	Butler					•		•	123		'	
Total			-	-	-	-	-	-		7	-	
Kerry Coal Co.	B:+10+				,	ı	ı	•	302	v	1	ı
Tuest Coal Coal Coal	חתרובו								1	1		
Branchton Preparation Plant	Butler	•			,	ı	1	•	91	00	1	.1
Hillards Preparation Plant (a)	Butler			-		-	-	-	249	4	1	1
Total								1	1	12		1
Meredith Mining, Inc.												
Kutsch	Butler			870		1	870	ı	77	m	1	ı
Miller & McKnight Coal Co., Inc.	1				ı	ı	ı		737			
Book Screening Flant	parter	•			1				107	7		
rengrove coar co.	Venango	•			,	,	,	1	280	14	1	ı
Perry Bros. Coal Co.	0											
Perry Bros. Tipple	Mercer			,	•	ı	•	1	230	17	1	ı
Republic Steel Corp.												
Russellton	Allegheny	317,454	ı	ı		ı	317,454	ı	241	240	1	17
Russellton Cleaning Plant	Allegheny		-		-			-	747	39	'	-
Total		317,454	-		-		31/,454	-		6/7	'	4
Sunbeam coal Corp.									365	a	1	ı
Sunbeam Washing Plant	Butler						ı		202	0		
Veon, Inc., Maiph A.	Beaver	•	,		•	•	•	1	16	9	1	1
West Freedom Mining Corp.												
Blacksburg Tipple	Butler				1	ı		•	126	9	1	-
Willowbrook Mining Co.									000	d		
Willowbrook Tipple	Mercer		-	-		'	'	•	209	,		
District Total		570.535	,	870	1	1	571,405	٠	233	598	1	33
												-

(a) Plant shut down during September 1979. All employes transferred to Branchton Plant. (b) Operation closed. NOTE:

			Product	ion of Coal	Production of Coal & Coke - Net Tons	ano.					
					Coal Head	Coal					
		: Shi	Shipped to Market		Locally	Used in	Total	Total	: Aver-		Non-
					for .	Manu-	Produc-	Produc-	: age	No.	Fatal fatal
		By By	By	By	Domestic	facture	tion	tion	: Days	of Em-	acci- acci-
Dean Contractor, Inc., Ernest C.	country	. varr	Marei	LLUCK	raiboses	OT COKE	01 00a1	OI COKe	Morked	proyes	worked ployes dents dents
Harcliff Tipple	Armstrong	1			ı	1	ı		74	4	1
Glacial Sand & Gravel Co. Bridgeburg Tipple	Armstrong	-	1			,	•	١	136	3	1
District Total		,	1			1			101	7	
			74	0 10							
;			Dis	District 3							
Nemacolin Mines Corp. Nemacolin	Greene	1	820,492		208	•	821,000		238	518	- 93
Nemacolin Preparation Plant	Greene	•		1	•		. 1	1	234	52	
Total			820,492	1	508	ı	821,000	•		570	- 93
United States Steel Corp.	3		802 283	67	511		802 863	•	977	356	- 2
Dobers No. 1 & MIS	Greene	•	670,074	67	1.015		671,131	1	242	767	1 00
Robena No. 2	Greene	•	513,423	29	780	,	514,232	ı	243	184	- 2
Robena No. 3	Greene	•	560,077	37	462	1	560,913		241	248	- 2
Robena Preparation Plant	Greene		-	-	1	-	-	-	244	159	-
Total			2,545,857	157	3,105	-	2,549,119	-		,441	- 15
District Total		•	3,366,349	157	3,613	ı	3,370,119	•	242 2,011	,011	- 108
			)JO	District 4							
B & M Coal Co.							20 00		251	٢	
S & M No. Z Central Cambria Drilling Co.	Greene		23,0L3	ı	ı		63,013		167	_	1
Blacksville No. 1 Shaft	Greene	1	1				1	1	251	20	
Blacks Run Shaft	Greene			-				-	720	67	
Total			-		1	-		-		46	7
Dunkard Mining Co. Dunkard	Greene		91.154	142	,		91,296	,	244	22	
Cleaning Plant	Greene		. "	1	1	1	1	•	237	80	1
Total			91,154	142			91,296			30	-

District 4

			Produc	Production of Coal	& Coke - Net Tons	Tons						
						Coal						
		: Shi	Shipped to Market	L.	.: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal	Fatal fatal
Operators and Mines	Compta	: By	By	By T31-	: Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	acci-
Duquesne Light Co.		TOW	Marei	TLUCK	: rurboses	or coke	or coal	ot Coke	: Worked	Worked ployes dents dents	dents	dents
Warwick No. 2	Greene		91,846	•	•	ı	91,846	1	127	81	ı	00
Warwick No. 3	Greene		836,044	1	•	•	836,044	ı	242	465	ı	34
Warwick Preparation Plant	Greene		-	-		1		ı	242	39		1
Total			927,890	-	-		927,890			585		42
Eberhart, George R.				0 263								
Emereld Mines Comm	oreene			0,200			8,263		168	m	ı	1
Emerald No. 1	Greene	739,750	1	,	•	٠	739 750		277	34.0	1	57
Emerald Preparation Plant	Greene		•	٠	•	,		,	766	36		ה י
Total		739,750		1			739,750			376		57
Francis Fuel, Inc.												
Francis Triengle Enternations	Greene		54,939	284	1		55,223	,	244	20	ı	ı
Bren-Mar	Greene		,	37,732	•	٠	37 739	,	27.8	30	1	c
							201612		247	24		1
District Total		739,750	1,096,998	46,421	ı	1	1,883,169	1	233	1,090		105
			Q	District 5								
Consolidation Coal Co.												
Renton	Allegheny	663,678	•	26,309	•	٠	689,987	,	219	370	1	20
Renton Preparation Plant	Allegheny		•	-	1	1	1	1	219	56	1	•
Total		663,678	-	26,309			689,987	1		396		20
Harmar Coal Co.	Allegheny	'	249,320	3,565	1	•	252,885	,	238	166	,	27
Oakmont (a)	Allegheny		122,313	1,749	1	1	124,062	1	160	95	1	m
Harmar Preparation Plant	Allegheny			-	•	1		1	238	42	1	1
Total		-	371,633	5,314	1	1	376,947	1		303		30
Republic Steel Corp. Newfield	Allegheny	369,199		•	30	•	369,229		241	285	1	24
District Total		1,032,877	371,633	31,623	30		1,436,163	1	224	984	1	74

NOTE: (a) Closed September 1, 1979

District 6

			Product	tion of Coal	Production of Coal & Coke - Net Tons	Tons						
					· Coal Hand	Coal						
		Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
	••				: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci- acci-	acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents	dents
Montour No. 4	Washington	677.235	9.909	236.259	,	,	916 403		177	717	,	7,6
Monton No 10	Alleohenv	201 584	39 645	6 1		,	241 229		252	0.0		2
Champion No. 1 Preparation Plant	Allegheny			1	,	ı	777,727	1	263	115	' '	n 1
Total		878,819	42,554	236,259		1	1,157,632	1		621		55
Mathies Coal Co.												
Mathies	Washington		1,454,532	ı	ı	ı	1,454,532	1	239	631	1	7.5
Mathies Cleaning Plant	Washington			1	1	1		1	239	55	1	ı
Total		1	1,454,532	1		-	1,454,532	-		989	1	75
District Total		878 819	1 497 086	936 986			9 619 164		27.1	27.1 1 307	-	130
Distinct Total		0/0,012	T,477,000	670,007	1	1	7,017,104	1	147	1,307	4	130
				District 7								
Bethlehem Mines Corp.												
Ellsworth No. 51	Washington	810,490	•	,	,	1	810,490	1	242	478	ı	33
Ellsworth No. 51 Cleaning Plant	Washington	1		1	ı	1	1	ı	242	20	ı	ı
Somerset No. 60	Washington	920,175			400	ı	920,575	1	241	592	ı	99
Somerset No. 60 Cleaning Plant	Washington			1	1	1		1	241	23		1
Total		1,730,665	1	1	400	1	1,731,065	1		1,113		66
J & C Loading Co.	Hachtroton		,	1	1	1			220	v		
United States Steel Corp.	na surus con								(77	)		
Maple Creek No. 1	Washington		870,605	2	129 (a	-	870,736	1	242	421	ı	5
Maple Creek No. 2	Washington	1	965,314	1	193	1	965,508	1	242	387	ı	3
Maple Creek Preparation Plant	Washington		-	-	1	-	-	-	242	88	-	2
Total			1,835,919	3	322		1,836,244	1		968	1	10
Diotestor Tores		1 730 665	1 835 919	c	777		9 567 309		676	2 014	1	100
הופרודור זורמו		1,130,000	1,000,11	)	771		000000000		7+7	2,047		604
	Ü.											

NOTE: (a) Includes coal lost due to sunken barge.

District 8

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
		Sh	Shipped to Market		: Locally	Used in	Total	Total	: Aver-	;	,	Non-
		: By	By	By	: Domestic	Manu- facture	Produc- tion	Produc- tion	: age : Days	No. of Em-	No. Fatal fatal of Em- acci- acci-	Fatal fatal acci- acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worker	Worked ployes dents dents	dents	dents
Crescent Hills Coal Co., Inc. Crescent Hills	Washington	•	1	81,677	ı	1	81,677		253	61		5
Jones & Laughlin Steel Corp. Vesta No. 4	Washington	,	173.800	,	55	,	173,855	,	128	1807	-	ď
Vesta No. 5	Washington	•	910,218	1	702	1	910 920		230	625	-	123
General Machine Shop	Washington	•		,	1	1	27.624		313	020	- 1	24
LaBelle Preparation Plant	Fayette	•	•	1	,	1	1	,	222	230	1	17
Total			1,084,018	1	757	-	1,084,775	-		1,124	1	163
Republic Steel Corp. Clyde	Washington		422,819	1	208	1	423,027	1	230	348	,	47
	Washington			1	•	'	-	1	223	30		1
Total		1	422,819	1	208	1	423,027	1		378	1	47
Tremont Mining Co. Vesta No. 4-No. 2 Hill	Washington	1	50,976	1	1		50,976	•	239	14	1	-
District Total		•	1,557,813	81,677	965	1	1,640,455	1	224	224 1,577	1	216
	"											
NOTE: (a) As of July 31, 1979.												
			al	District 9								
Avery Coal Co., Inc. Rockton Tipple	Clearfield	•		•	1	,	1	ŧ	255	14	1	1
Baugaman Coal Co., inc., K.D. Goshen Tipple	Jefferson	•	•	ı	,	1	1	1	99	9	1	1
Benjamin No. 7 Tipple(Stronach)	Clearfield	,	,	,	1	•	1	1	172	c	1	1
Benjamin No. 8 Tipple(Luthersburg)Clearfield	g)Clearfield		1	1	1	1	ı	1	230	7	1	1
Benjamin No. 9 Tipple (FallsCreek)Clearfield	k)Clearfield_	-	1	1	•	1	1	1	226	2	1	1
Total	,		1		-	1	•	-		12	•	1
Blacknawk coal co. Cherokee Tipple Bover Coal Co.	Jefferson	1		1	,	1	•	•	81	2		1
Bradford Coal Co Tnc	Jefferson	•		,		1	1		57	3	1	1
Aurora No. 5 Tipple	Clearfield	•		•	1	,	٠	1	34	Э	1	٠
Enery Tipple	Jefferson	1		•	•	ı		1	284	2	1	1

			Product	ion of Coal	Production of Coal & Coke - Net Tous	t Tons						
			3		Coal Used	Coal	100,0					
		: Shipped	Shipped to Market		: Locally	Used in	Total	Total	Aver-		ĕ	Non
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	. Days	of Em- acci-	acci- a	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked ployes dents dents	ployes	dents d	ents
C& K Coal Co.									0.10	è		
Finey Tipple	Clarion								356	57		ı
Rimersburg Tipple	Clarion		-	-	-	-	-	-	356	945		
Total			-	-	-	-	-	1		20	,	1
Carroll Coal Trusts												
Carroll Preparation Plant	Clarion		,	1	1	1	•	1	239	2		•
Chernicky Coal Co., Inc.												
Cher's Pride I Tipple	Clarion			ı	ı	1	1	ı	313	16	1	ı
Doan Coal Co.												
P & S Tipple	Jefferson						•	1	19	e		ı
Glacial Minerals, Inc.												
Clarion Tipple	Clarion		ı					ı	272	22	,	ı
Glen Irvan Corp.												
Bark Camp No. 1	Clearfield	9,748	ı	129,510	1	•	139,258	1	262	19	,	3
Bark Camp Cleaning Plant	Clearfield		1	1	1	1	1	1	303	10	1	1
Total		9,748		129,510	-		139,258			71		3
Hall's Coal Co., Inc.												
Tyler Tipple	Clearfield	1	,	1		1	•	1	180	3	,	ı
Hepburnia Coal Co.												
Belfast Tipple	Clearfield	1		1	ı	1	1	1	268	7	1	•
Ingram Coal Co.												
Sugar Hill No. 1 Tipple	Jefferson		ı		ı	ı	ı		180	m	,	ı
Lady Jane Collieries	11.22.23.20	177, 000					177. 033		070	20		0
SCOLL NO. I	olean Lielu	1/4,033	,	1	1	1	174,000	1	2,40	ם מ	ı	0
Stort No. 1 Cleaning Flant	Clearifeid	177, 033	-				177, 033		740			a
TRIOT		1/4,033		-	-		1/4,033			2		2
Manor No. 44	Clearfield		,	89.620	,	,	89.620	1	266	24	,	9
Moshannon Falls Mining Co., Inc.												
Mt. Carmel No. 2 Tipple	Clearfield			ı		,	1	1	183	7	,	,
P & N Coal Co., Inc.												
Brockway Tipple	Jefferson	t	ı	ı	1	ı		ı	206	4、	ı	ı
Medix Tipple	EIK		-			-		•	1/1	4		
Total		-	-	-	-	-		-		∞		
R.E. M. Coal Co., Inc. Corsica Tipple & Washing Plant	Clarion		1	,	1	1	,	•	120	10	,	1
יייייי ייייייייייייייייייייייייייייייי									1			

			Produc	ction of Coal	Production of Coal & Coke - Net	Clons						
					: Coal Used	Coat						
		: Ship	Shipped to Market	t.	: Locally	Used in	Total	Total	: Aver-		Z	Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	cci-
Operators and Mines	County	: Kall	Water	Truck	: Furposes	ot Coke	of Coal	of Coke : Worked ployes dents dents	: Worked	ployes	dents d	lents
Kiver Hill Coal Co., Inc. Hoffman Cleaning Plant	Clearfield	,	ı	1	,	ı	ı		230	18	,	
Bailey No.3/Rollingstone	Clearfield		,	ı	•	1	1	1	3	-	,	1
Total				1			1			19		1
Shannon Coal Co.												
Shannon Tipple	Clarion	•	1	1		1	•	•	356	56	,	1
Shawville Coal Co.	100 F 4 0 1 0		1	1	1	ı	1		250	=		
Siegel Coal Co Harold A.	oreal trein								(7)	1		1
Siegel Tipple	Clarion	ı		•		,		•	270	6	,	1
owens No. 1 Tipple	Clearfield		1	٠	1	1	1	•	260	5	,	1
Stahlman Coal Co., Inc., W.P.												
Stahlman Washery	Clarion	,	1			•		1	355	21	,	1
Teeter Coal Co., John Facte Rock No. 10 Timple	Clearfield	,	ı	,	1	,		1	252	2	,	- 1
Thomas Coal Sales, Inc.												
Greenwood Tipple	Clearfield		1	1	1	1	1	•	265	9		1
Valley Coal & Supply, Inc.	:									ď		
Valley Preparation Plant	Elk		1	ı	ı		ı		269	m	,	1
Wagner coar co. Limestone Tipple	Clarion	•	ı	•	,	ı	1	,	166	4	1	1
Kavlor Siding	Clarion		,	1	1	ı	1	1	126	4	1	1
Total			1	1	1	-	-	-		œ	-	1
Weaver & Sons, A.P. Pine City Washery Plant	Clarion		,	1	1	1	1	1	285	5		1
Zacherl Coal Co., Inc. Lucinda Tipple	Clarion		'	1	'	-	1	1	305	7		- 1
District Total		183,781	1	219,130	•	,	402,911	1	268	497		28
				District 10								
Carpentertown Coal & Coke Co. Mahoning Creek No. 2	Armstrong	965		232,354	1	,	233,319	1	209	75		10

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	••		Prod	Production of Coal & Coke - Net Tons	& Coke - Ne	t Tons						
	•				Coal Head	Cool						
	• ••	Ship	Shipped to Market	et	Locally	Used in	Total	Total	: Aver-		-	Non-
	•				for	Manu-	Produc-	Produc-	age:	No.	Fatal fatal	atal
	••	Ву	By	Ву	Domestic	facture	tion		: Days	of Em-	acci- acci-	-toot
Operators and Mines	County :	Rail	Water	Truck	Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes	dents	lents
Carpentertown Coal & Coke Co. (continued) Mahoning Creek Cleaning Plant Arms	fnued) Armstrong			1	,	,	233.319	1	230	22		
Total		965	1	232,354	-		233.319	1		97		10
Keystone Coal Mining Corp.												
Eullie v.	Armstrong			637,U08(a)			637,068	1	237	256		24
Emilie No. 4	Armstrong			298,546(a)	ı		298,546	ı	233	119	ı	6
Jane	Armstrong			1,215,888(a)	ı		1,215,888	ı	237	483		59
Margaret No. 11	Armstrong		-	209,218	-	-	209,218	-	231	67		11
Total	1			2,360,720	1	1	2,360,720	1		925	1	73
District Total		965	1	2,593,074(b)		1	2,594,039	•	233	1,022		83
	1											
NOTE: (a) Coal transported by conveyor belt. (b) 2,151,502 tons were transported by conveyor belt.	veyor belt. insported by con	veyor belt.										
Altmire Bros. Coal Co Inc.				District 11								
Apollo Tipple	Armstrong	1	ı	1	ı	ı	1	1	180	11	,	,
David	Armstrong	1	ı	444,576	,	,	444,576	ı	196	169	,	24
D1Anne	Armstrong	•	1	159,116	1	,	159,116	1	197	99	1	11
Canterbury Cleaning Plant	Armstrong		1	1	1	1	-	1	218	45		
Total		1	1	603,692	-	-	603,692	-		270		35
Creighton Hills Coal Co. Creighton	Allegheny		1	14,596	ı	1	14,596	1	229	9		
kaskan coar co. Kaskan No. 2	Armstrong	1	,	2,000	ı	,	2,000	ı	136	2	1	ı
Leechburg Mining Co. Foster No. 65(a)	Armstrone	99, 233	,	16.685	6	,	115 927	1	138	63		7
Foster No. 4 & 5 Cleaning Plant	Armstrong				1	1	-	1	138	4	1	` '
Total		99,233	1	16,685	6	1	115,927			29		7
Loyal Creek Coal Co. Loyal Creek No. 2	Westmoreland		ı	18,550	ı	ı	18,550		244	9	1	1
Gilmur No. 1	Westmoreland	ı	1	9,167		,	9,167	•	132	7		ı

District 11

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
		: Sh1	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Faral fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Davs	of Em- acci- acci-	acci-	a con
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	. Worked	Worked ployee dents dents	donte	dont
Penn Allegh Coal Co., Inc.									. HOT WE	20000	nemen	aciira
Allegheny No. 2	Allegheny	•	ŧ	549,694	1,836	ı	551,530	1	239	174	ı	15
Allegheny No. 3	Allegheny			94,355		,	94,355	ı	239	27	ŧ	2
Allegheny No. 2 Cleaning Plant	Allegheny			1	•	t	. •	ı	239	15		ŧ
Total				640,449	1,836		645,885			216		20
T & R Coal Co.												
T & R No. 1	Armstrong		•	11,233	•	1	11,233	ı	133	7	,	t
Tunnelton Mining Co.												
Marion	Indiana	440,608		1	•	ı	440,608	ı	235	218	ŧ	35
Ridge Air Tables	Indiana		•		-				235	7	ı	ı
Total		440,608	P			-	440,608			225		35
Weimer Coal Co.												
Weimer No. 2	Armstrong	-		19,195	•	1	19,195	-	243	5		ı
District Total		539,841	t	1,339,167	1,845		1,880,853		214	819	,	46
		The real Property lies and the least lies and the lies and the least lies and the lies and the least lies and the lies and t		The Party of the P	The second secon							

NOTE: (a) No coal produced since October 5, 1979.

	'	1	17	9	19	24
		ı		٠		
	2	37	67	335	360	448
	34	251	249	238	238	239
	ı	ı	•	ı		ŧ
	1	10,006	65,655	496,177	496,177	571,838
	1	ı	1	ı		1
	ı		ı	463	463	463
District 12	•	10,006	65,655	•	•	75,661
	1	ı	ı	1		
	ŧ	,	1	495,714	495,714	495,714
	Westmoreland	Allegheny	Westmoreland	Westmoreland	westmoretand	
	Consolidation Coal Co. Hutchinson Preparation Plant Crescent Hills Coal Co., Inc.	Ocean No. 5 Delmont Resources Inc	Delmont Republic Steel Corp.	Banning No. 4	Danning NO. 4 Cleaning Figure Total	District Total

			Product	ion of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: SI	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		4	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci- a	-joot
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	of Coke : Worked ployes dents dents	ployes	dents	lents
Bortz Coal Co.												
Daugherty Tipple Genovese Coal Co.	Fayette	ı		1		,		ı	110	4		ı
Genovese Coal Processing Plant	Fayette	•		1	1	,		1	3	2		ı
J & C Loading Co.												
Grays Landing Ramp	Fayette							1	202	œ	ı	ı
Lock No. 8	Fayette	•		1	,	1		ı	171	9		ı
Masontown Dock	Fayette		1	1	•			1	181	9		
Total			•	-		1				20		1
Jones & Laughlin Steel Corp.												
Shannopin	Greene		239,687	ı	432	1	240,119		230	145	,	2
Shannopin Cleaning Plant	Greene	-			•	1	-	1	230	80		1
Total			239,687		432		240,119	-		153		2
National Mines Corp.												
Isabella	Fayette	•	371,610		1,393	1	373,003	1	248	300	,	1.5
Isabella Cleaning Plant	Fayette			-	1	1	1	1	248	14	1	1
Total			371,610		1,393	1	373,003	1		314	-	1.5
Pittsburgh Coal & Coke, Inc.												
Allison Cleaning Plant (a)	Fayette	•		ı				ı	240	3	ı	ı
Bute Cleaning Plant	Fayette		1	1		1		1	126	26		
Total			1	-		-	1	1		29	1	1
Ruane Coal & Coke Co.									,			
Wynn Washer Insted States Steel Corn	Fayette				ı		ı		/9	^	ı	
Cimberland "c"	Greene	1	982,453	,	,	,	982,453	•	189	463	1	22
Mt. Braddock	Favette	•	223,337	13	162	ı	223,512	1	245	66	,	1
Everson Shop	Fayette	•	. '	,		,		1	249	27	,	ı
Leckrone Timber & Treating Plant	Fayette			1		ı		1	249	3	1	ı
Filbert Shop	Fayette			1		-	-	1	249	73	1	1
Total			1,205,790	13	162	1	1,205,965	1		665	-	22
			1 917 087	13	1 087		1 819 087		217 1 192	192	-	67
DISCITED TOTAL			1,004/1,001	Ç	10667		10067067		1 112	1 7 7 6	ł	1

NOTE: (a) Shut down August 9, 1979

			Product	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Shippe	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		**	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
		By By	By	By	: Domestic	facture	tion	tion	Days			acci-
Arcadia Co. Inc. The	country	TTPU	Waret	TINCK	: ruiboses	OT COME	01 0091		. worken	proyes	dents	dents
Arcadia No. 43 Tipple	Indiana		ı	1	1	1	1	•	65	4	,	,
Rossiter Tipple	Indiana	-	-	1		•	-	1	183	4		1
Total			•	-		-		-		80		
Baughman Coal Co., Inc., R.D. Poseytown Preparation Plant	Armstrong	1	ı	,		ı	ı	ı	54	9	,	
Benjamin Coal Co. Benjamin No. 11 Tipple	Indiana	•		1	٠		,	1	225	5	,	,
Brocious, Harold E.												
Broclous	Armstrong		ı	ı	76	•	76	ı	15	1	ı	,
Markle Tipple	Armstrong		-			-	-	-	102	2		1
Total			-	-	94	-	96	-		~		۱
Cannel Coal Co., Inc. Cannel No. 1	Armstrong	2,829	,	6,589	,	,	9,418	1	230	4		,
Colwell Coal Co.												
Colwell Loading Dock Crusher	Armstrong		ı	•	ı	ı			242	7		ı
Copper Valley No. 6	Armstrong	1	•	172,597	•	,	172,597	1	271	65	,	16
Davis Coal Co. Davis	Indiana	1	,	152	٠	,	152		45	en		
Dean Contractor, Inc., Ernest C.												
Bostonia Tipple	Armstrong	•	1	•	ı		ı	1	61	7	ı	
Doverspike, Gary C.	Armetrone	1			1				116	c		
Doverspike Bros. Coal Co.	0								1	1		
Dora No. 6	Jefferson	7,173	1	1	1	,	7,173	ı	94	(23)	ı	ı
Ringgold No. 2	Jefferson	62,901		•	•		62,901	1	236	19	,	9
Sugar Camp	Indiana	82,788	1	•		•	82,788	ı	199	23		3
Dora Preparation Plant	Jefferson		ı					1	238	56		n
Total		152,862	-	-		-	152,862	1		89		12
Emanuel Coal Co., Inc. Emanuel No. 1	Indiana	74,811	•	1	1	1	74,811	ı	227	21	ı	9
Glenn Coal Co., Div. of Champion Coal Co., Inc.												
Coulter Tipple	Jefferson		ı		ı	ı	ı	ı	301	œ	ı	,

			Produ	Production of Coal & Coke - Net	& Coke - Ne	t Tons						
		Shi	Shipped to Market	Į.	: Coal Used : Locally	Coal Used in	Total	Total	: Aver-		4	Non-
			1	1	: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
Operators and Mines	County	By Rail	By Water	By Truck	: Domestic	facture of Coke	tion of Coal	tion of Coke	tion : Days of Em- acci- acci- of Coke : Worked nloves dente dente	of Em- acci- acci-	acci- a	lcci-
Harmon Coal Co.										20103	2000	CHES
Harmon Tipple	Armstrong		•			•	1	ı	239	3	,	ı
Johnstown Coal & Coke Co.												
Johnstown Preparation Plant	Indiana		1			•	ı	ı	219	12		1
Kann Coal Co., Inc.												
Cher Pride II Tipple	Indiana			ı	ı	ı	ı	ı	232	4	ı	ı
Kennedy Coal Co.									0	,		
Kennedy No. 4	Jetterson		ı	16,460	ı	ı	16,460		232	9	ı	2
Kniseley Coal Co.	Tofferson		,	3.540	,	•	3,540	١	73	7	,	1
Kraynak Coal Co.	octation of						6		2			
Kraynak No. 3	Indiana		1	886,6	ı	1	886,6	ı	244	4	ı	
Manor Mines, Inc.							0					1
Manor No. 8	Indiana			100,683			100,683		272	84	ı	15
Markle-Bullers Coal Co.									0			
Markle Preparation Plant	Armstrong								248	4	ı	
P & N Coal Co., Inc.	9								100			,
Cloe Yard Tipple	Jetterson					ı	ı		139	<b>†</b> c		-1
Dayton Tipple	Armstrong				1	ı	ı	ı	106	<b>7</b> u		
Hillman No. 2 Tipple	Jetterson	-	-			•	•	•	130	0	•	1
Total					-	-	-			175		-
Terry Coal Sales, Inc.									0	,		
Terry Tipple	Armstrong	•			1	ı	ı	ı	303	7.7	ı	ı
west Fenn Tipple Co., Inc.	Indiana	•	,	,	1	,	,	,	230	7	,	_
ordan												
District Total		230,502	1	310,009	56	1	540,605	,	228	307	ı	54
				District 15								
				20112								
Apollo Corp., The	Tach								ć	c		
Apollo No. 2 Preparation Plant	Indiana	1	1			1	1		186	10		
Total		1	-	1	Å.	1	-	-		12		-

District 15

			Produc	Production of Coal & Coke - Net	Coke - Net	Torus						
					Coal Used	Coal						
		: Ship	Shipped to Market		Locally	Used in	Total	Total	: Aver-			Non-
				••	for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
		: By	By	By :	Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	acci-
Operators and Mines	County	: Rail	Water	Truck:	Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents	dents
Dixonville Mining Co.												
Dixon Run No. 6	Indiana	46,663					46,663	ı	244	17	ı	ı
Keystone Coal Mining Corp.												
Urling No. 1	Indiana	•	1	476,757			476,757	1	225	163	ı	30
Urling No. 2	Indiana		•	255,292			255,292	ı	227	116	ı	20
Urling No. 3	Indiana		1	389,803 (a	- (	-	389,803	1	228	124		19
Total			-	1,121,852	•	1	1,121,852	1		403		69
Mears Coal Co.												
Chestnut Ridge	Indiana	98,873		•		1	98,873	ı	243	32	•	4
Dixon Run No. 3	Indiana	98,725		•		1	98,725	1	240	28	,	1
M. Y. No. 1	Indiana	3,730	•	•	•	,	3,730	1	225	12	ı	2
Mears Preparation Plant	Indiana		1	•		-	-	-	245	56	1	1
Total		201,328			1		201,328	1		98		9
McIntire Coal Co., William J.												
Park Side Tipple	Indiana	•	•	•		•		1	271	3	ı	ı
Oneida Mining Co., The												(
Oneida No. 4	Indiana								242	35	ı	x
Oneida Cleaning Plant	Indiana		-	-	-		-	-	245	33		1
Total				•	-	'		-		89		∞
Penn Hill Coal Corp.							4			0		
Penn Hill No. 2	Indiana	191,606	•				191,606		245	33	ı	-
Valley Coal Co.				;					C L			c
Valley No. 11	Indiana			69,816		ı	69,816		250	31	ı	7
Valley No. 12	Indiana		•	122,295		-	122,295	-	250	33		9
Total				192,111	-	-	192,111	-		49		00
							1		0	0		ć
District Total		439,597	ı	1,313,963 (b)			1,/53,560	ı	233	889		76

NOTE: (a) Coal transported by conveyor belt.
(b) 389,803 tons were transported by conveyor belt.

District 16

			Prod	Production of Coal & Coke - Net Tone	Coke - Not	ano.i.						
					Coal Used	Coal						
		Ship	Shipped to Market	et	Locally	Used in	Total	Total	: Aver-			Non-
					for	Mann-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
Onerefore and Mines	Compty	By Rof1	By	By :	Domestic	facture	tion of Coal	tion	: Days	Days of Em- acci- acci-	acci- acci-	acci-
Florence Mining Co., The	Toddone	1100		03 269 (E)		10	93 269	o To	15/	86	1	10
Dias (a)	Indiana					۱ ۱	454 314		227	218	٠,	64
No 1 Mine Pobinson Shaft Dortal	Indiana		١ ١				1 006 321		227	729		131
Florence No. 2	Indiana		•		1	,	352,959	ı	235	235	1	82
Florence Preparation Plant	Indiana	•	1		1	1	. '	1	242	94	,	3
Total			1	1,906,863	1	1	1,906,863	1	1	,041	-	299
North American Coal Corp., The	7-34			200 210 71			010		000	177		13
Conemangh No 1 Dranaration Dlant	Indiana			399,219 (D)			377,219		223	6		3 '
Total		8	1	399,219	1	-	399,219	-	2	186	ı	13
District Total		1	,	2,306,082 (b)	,	,	2,306,082	1	220 1,227	,227	1	312
NOTE: (a) Inactive since September 1979. (b) Coal transported by conveyor belt.	r 1979. reyor belt.											
				District 17								
Associated Drilling Co., Inc. Kephart	Clearfield	182,197	1	,	,	,	182,197	,	242	58	ı	10
Avery Coal Co., Inc. Kettle Creek Tipple	Clinton	. '	ı	,	1	1		1	251	17	1	-
Van Tipple	Clearfield		1		-	-	1	1	251	21	1	
Total			1		1		-	1		38	-	-
Benjamin Coal Co. Benjamin No. 3 Tipple	Clearfield		1		1	,	ı	ı	251	30	ı	2
benjamin No. b Tipple	Clearfield	2							707	70	. .	0
Bradford Coal Co., Inc.												
2 Cleaning	PlClearfield	1	,	1		,	1	ı	247	27	ı	1
Shannon Smokeless No.2 Cl. Plant	Clearfield		-	-					232	17		-
Total		-		1		-				44		-
Brown, Inc., Earl M. Brown No. 5 Tipple	Clearfield		ŧ	ı	1		1	1	221	7	ı	1

			Producti	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
		Shir	Shinned to Market		: Coal Used	Coal Head in	To to 1	10+0	Arore			Non
		1	הבת כם המושבר		for	Manu-	Produce	Produce	AVEL	N	Fotol fotol	Foto1
		By By	By	By	: Domestic	facture	tion		Days	of Em- acci- acci-	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes	dents	lents
Carlin, Inc., R.S.												
Gillentown Tipple	Centre	•		•	•		•	•	248	n	ı	ı
Snow Shoe Tipple	Centre			-	-	-	•	'	248	8		
Total			•	1	-	-	-			11		1
Empire Coal Co., inc. Benjamin No. 10 Tipple	Clearfield	'	,	•	•	,	,	,	63	2	,	
Fisher Mining Co.										,		
Flanco Brothers Coal. Inc.	Lycoming					ı	ı		248	1		
Amesville Tipple	Clearfield	1		•			•	1	216	9	•	
Jill Mining Co., Inc. Cunnard Tipple	Clearfield	ı		•	•	,		1	300	13		٠
Johnson & Morgan Bradford Breaker	Centre	1	,	•	,			,	236	m		
Jones & Brague Mining Co.	Brodes	ı	ı						100	c		
Mile Hill Tipple	Tioga						١ ١		231	7 9		
Red Run Tipple (a)	Lycoming			1	1	1	ı	1	155	2	,	ı
Total					-	-				10		
K & J Coal Co., Inc. Westover Prep. Plant	Cambria	٠		ı	•	•	,	,	240	29		
Power Operating Co., Inc. Lesher Tipple	Centre	•	,	1	•	,	•	'	303	16		2
Ringgold Coal Mining Co. Bald Eagle Tipple	Centre	•	,	•	•	,	•	ı	257	5	,	
River Hill Coal Co., Inc. Loop Run Tipple	Clinton			•	•		,	1	16	4		
Rushton Mining Co.	4	525 100					100		0,70	101	c	36
Rushton Cleaning Plant	Centre	131, 180					133,100	٠,	240	41	<b>7</b> I	07
Total		535,188	8			۰	535,188			236	2	26
S & D Trucking Co. Halfway Coal Yard	Centre	1	,	١	•	•	,	,	253	4	,	,
Pine Glen Tipple	Centre		•	1	1	1	-	•	253	2		
Total			•	1		-	-	-		٥		.
Scott Coal Co., Inc., James M. Belfast No. 14 Sidings	Centre			•			1	ı	249	33		,

			-		3	f						
			Produc	Production of Coal & Coke - Net Ions	& Coke - Ne	Suoi						
					: Coal Used	Coal						
		: Shipped	Shipped to Market		: Locally	Used in	Total	Total :	Aver-		7	Non-
					: for	Manu-	Produc-	Produc- :	age	No.	Fatal fatal	Eatal
		: By	By	By.	: Domestic	facture	tion	tion :	Days	of Em- acci- acci-	acci- 8	-ioo
Operators and Mines	County	Rail	Water	Truck	: Furboses	ot Coke	of Coal	of Coke	Worked	Worked ployes dents dents	dents	lents
Waroquier Coal Co. Waroquier Tipple	Clearfield		'				•	-	257	5		
District Total		717,385		•		1	717,385		247	597	2	47
Morro (1) Committed accountion Contombor 7 1979	7 107	g										
NOIE: (a) COMPLETE OPERATION SEPT												
			1	District 18								
barnes & Tucker Co.	4	201 000	1	,	,		381 090	,	225	255		99
Lancasnire No. 24b	Cambria	254 640		210.709	,	,	465,349	,	226	292	1	107
Lancashire No. 24 Cleaning Pl.	Indiana	0+0,+07	1	1016047	1	1		1	226	57	-	00
Total		635,730		210,709	1	•	846,439			604		181
Bethlehem Mines Corp.		100					20% 19%	ı	22%	393		20
Mine No. 32	Cambria	47T * 407	-			•	204,124		777	127		1
District Total		839,854		210,709	•	1	1,505,563		225	927	ı	210
				District 19								
Barnes & Tucker Co.												
Lancashire No. 25	Cambria	323,302	ı	ı			323,302		251	343	ı	86
Shops & Supply	Cambria				1 1				251	33.7		7 1
Laurasuire NO. 20 Creaning Franc		323,302		1	1		323,302	-		451		88
Greenwich Collieries, Div. of Pa.												
Greenwich No. 1	Indiana	928,023		1	1		928,023		236	445	ı	77
Greenwich No. 2 Greenwich Prep. Plant	Indiana	1,005,554					1,005,554		236	460	٦ .	100
Total		1,933,577		-	-		1,933,577	1		977	1	177

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			1									
			Produc	Production of Coal & Coke - Net Tons	& Coke - Net	Tons						
		100	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		Coal Used	Coal	E	Ē			;	
		ddius	Snipped to Market		Locally	Used in	Total	Total	į		Ž,	-uou
		: By	By	By	. Domestic	Manu- facture	Froduc- tion	Froduc-	age I Days	NO. Of Em-	No. Fatal fatal of Em- acci-	atal cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	P	ployes	dents do	ents
Hillsdale Mining Co. Hillsdale No. 1	Cambria		•	39,214		'	39,214		232	14		
District Total		2,256,879	ı	39,214	ı		2,296,093	1	241 1,442	,442	1	266
			I	District 20								
Bethlehem Mines Corp. Mine No. 31	Cambria	269,724	•	12,363	•	•	282,087	•	232	432	ı	39
brookdale No. // Total	Cambria	269,724		155,793			143,430		232	205 637		1   2
District Total		269,724	٠	155,793	•	٠	425,517	•	232	637	1	20
												1
			Ĭ	District 21								
Bethlehem Mines Corp.		1					i c		ć	L.		!
Ehrenfeld Tipple	Cambria	22/,195					227,195		233	215		7 '
Ehrenfeld No. 38-E	Cambria		ı	56,652	•	1	56,652	٠	233	71	,	5
Solomon Run No. 73	Cambria		1	85,995	•	1	85,995	1	230	78		00
Cooney Brothers Coal Co.		227, 195	•	142,647		-	369,842			383		8
Sonman Processing Plant	Cambria	1		•		•	•	1	296	6		•
Harmony Mining Co. Harmony No. 1	Cambria	ı		161,910	•	1	161,910	1	216	98	1	37
Island Creek Coal Co. Bird No. 2	Somerset	156,043			,		156,043	•	231	107		40
Bird No. 3 Bird No. 3 Processing Plant	Cambria	145,107					145,107	•	242	90		41
Total		301,150					301.150	١.	747	208	. .	-   -
												;

			Producti	ion of Coal	Production of Coal & Coke - Net Tons	Tons						
		4	Moster M		Coal Used	Coal	4	E				
		eddine	эптрреа со магкес		Locally	Manu-	Droduc	Produce	Aver-	NO.	Non-	Non-
		By By	By	Ву	Domestic	facture	tion		Days	of Em-	of Em- acci- acci-	acci-
Jandy Coal Co., Inc.	Country	. vait	Marei	TEACH	rurposes	01 CORE	01 0001	or coke	: Worked ployes dents dents	proyes	dents	dents
Eureka No. 40 Cleaning Plant	Cambria		۱ ۱			000,16	000,16	' '	234	100		- 1
Total						97,000	97,000			76		7
Longwall Mining, Inc. Longwall No. 1	Cambria			131,702			131,702	'	237	67	٠	2
District Total		528,345		436,259	,	97,000	1,061,604	1	235	829	1	157
			집	District 22								
Bethlehem Mines Corp.												
Mine No. 78	Somerset	204,268		140,765	1	1	345,033	1	240	146	1	6
Bloom No. 1	Somerset	1	1	1	1,820	•	1,820	1	165	-	1	1
Cairnbrook No. 9	Somerset	1		13,599	•	1	13,599	1	185	20	1	2
Consolidation Coal Co.	Somerset	313,532		•	•	1	313,532	1	218	220	1	20
Laurel Freparation Flant Total	Somerset	313,532					313,532		212	251	-	20
Fetterolf Coal Co., Inc., M.F. Fetterolf Tipple	Somerset	-	,	1	1	1			245	6		1
Heshbon Coal Co., Inc. Eureka No. 36 Tipple	Somerset	1	,	1	1	1	1	1	42	2	1	1
Hiysota Fuel Co., Inc. Ralphton No. 1	Somerset	1	1	115,432	1	1	115,432	ı	234	51	1	1
Intercarbon Coal Co. Preparation Plant	Somerset		•	1	1	1	1	1	258	21	1	1
J & D Mining, Inc. Miller Run	Somerset	1	•	87,000	1	1	87,000	ı	227	24	1	1
Solar No. 7	Somerset	ı	1	183,220	1	1	183,220	•	220	75	1	2
Shade Creek Cleaning Plant	Somerset	1		,	1	1	•	1	272	17	1	1

District 22

			Produc	Production of Coal & Coke - Ner lons	& Coke - Ner	Sucl						
					: Coal Used	Coal						
		: Shipp	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Ż	Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes	dents d	ents
Potochar & Potochar Coal Co.									1			
Potochar No. 2	Somerset			4,979	401	ı	5,380		216	2		ı
Reitz Coal Co.												
Mine No. 21	Somerset		1	64,230		1	64,230	ı	236	41	ı	m
Mine No. 22	Somerset	1	1	26,403	1		26,403	1	237	18	,	7
Mine No. 23	Somerset		1	2,034	1	1	2,034	1	24	1	ı	1
Mine No. 24	Somerset		1	52,934	1	ı	52,934	1	237	32		œ
Reitz No. 4 Cleaning Plant	Somerset	•	•		1	1		1	237	21	ı	2
Reitz No. 11 Cleaning Plant	Somerset		1		1	-	1	-	236	24	'	3
Total			1	145,601		1	145,601	1		137		24
Richland Coal Corp.									,	•		
Eureka No. 35 Lower	Somerset	1			2,847	1	2,847	1	164	m		1
Solar Fuel Co., A Gulf & Western Co.	٥.											
Solar No. 5	Somerset	42,145	1	44,095	1	1	86,240	ı	240	25	ı	2
Ouemahoning Cleaning Plant	Somerset	1		1	1	1	-	•	206	34		1
Total		42,145		44,095	1	1	86,240	•		59		7
Trent Coal, Inc.												
Hritz	Somerset		1	19,555			19,555		250	6		1
E		550 0%		75/. 3/.6	5 068	1	1 319 259	٠	700	827	-	61
District lotal		000,000		774,240	,		1,010		1	1		

			Product	Production of Coal	& Coke - Net Tons	Ions						
						Coal						
		: Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		N	Non-
					: for	Manu-	Produc-	Produc-	: age	No. F	Fatal fatal	atal
		By By	By	By T	: Domestic	facture	tion	tion	: Days	Days of Em- acci-		acci-
Operators and Mines	County	: Kall	אמרענ	Track	rui poses	OI CORE	01 0031	OT COKE	. worked	proyes c		aencs
Appalachian Fuels, Inc. Somerset No. 1 Tipple	Somerset	1	,		٠		1	1	240	9		- 1
Casselman Coal Sales Co.												
Rockwood Tipple	Somerset			1		•	1	1	78	e	•	1
Coal Junction Coal Co.												
Coal Junction Tipple	Somerset		•		1		1	1	242	9		ı
Croner, Inc. Pine Hill No. 2 Preparation Plant	Somerset	•	•	•	1	٠	٠	,	250	~		
Delta Coal Sales, Inc.									1	,		
Delta Coal Sales No. 1 Prep. Pl.	Somerset			•	1	1	1	1	241	7	,	1
Fetterolf Coal Co., Inc., M.F.												
Fetterolf No. 1 Plant	Somerset		•	1		ı	1	•	149	16		7
Fetterolf No. 2 Plant	Somerset		•			1	-	1	223	80	-	14
Total		•	1	1	1			1		96		21
Fetterolf Mining Sales Co., Inc.												
Fetterolf No. 1 Plant	Somerset			1		1		1	250	20	ı	
Carrie M. COAL CO., LIIC.	1 como S			270 073			370 073		237	100		1,1
Grove No. 3	Somerset		' '	322,795			322,745		236	162		10
Total			1	702,718	-		702,718			383		06
Mark Mining, Inc.												
Mark No. 1	Somerset		•	82,624	1	•	82,624	ı	234	109	1	9
Mark No. 2	Somerset			62,148	1	1	62,148	1	230	34	•	4
Total				144,772	•		144,772			143	1	10
Materials Transportation Associates												
Shober Siding	Somerset			ı	1	ı	ı	1	220	2	ı	1
PBS Coals, Inc.												
Cambria Tipple	Somerset			ı			ı	1	274	26	•	1
Penn Pocahontas Coal Co.												
Black Mountain	Somerset		•	4,509		1	4,509	1	26	11	ı	
Penn Pochontas No.1 Cleaning Pl.	Somerset		1	-	1	-	-	1	221	13	1	1
Total				4,509	-	1	4,509	-		24		-
River Hill Coal Co., Inc.	Somereet	٠	•	•	,			•	200	~	1	
Schrefold Coal Tac									0	)		
Scurfield No. 1 Tipple	Somerset	1		,	1	ı	ı	1	164	10	ı	ı

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ct 2	
stri	
Di	

		1		Product	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
						: Coal Used Coal	Coal						
			Shipp	Shipped to Market		: Locally	Used in	Total	Total : Aver-	: Aver-			Non-
						: for	Manu-	Produc-		: age	No. I	Fatal fatal	fatal
			By	By	Ву	By : Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci-	acci-
Operators and Mines	County		Rail	Water	Truck	: Purposes	of Coke	of Coal		: Worked	of Coke : Worked ployes dents dents	dents	dents
Solar Fuel Co.													
A Gulf & Western Co.													
Solar No. 9	Somerset		72,139	•	75,476	•	•	147,615	ı	240	99	ı	ı
Spewock, Theodore													
Clark Hollow	Westmoreland	PI	•			361		361	•	141	1		ı
Svonavec Coal Co.													
Rockwood Tipple	Somerset		1	1	•	•	-	-	1	172	10		
District Total			72,139	•	927,475	361	•	999,975	1	229	466	ı	122

				District 24	41							
Barnes & Tucker Co.												
Lancashire No. 20	Cambria	319,507	•	•	•	•	319,507	,	187	348	,	93
Lancashire No. 20 Cleaning Plant	Cambria		•		•	1	•	•	187	31	-	3
Total		319,507	1	1			319,507			379		96
Bethlehem Mines Corp.												
Cambria Slope No. 33	Cambria	1,128,682	•	213,738		1	1,342,420		222	166	•	51
Cambria Slope Preparation Plant	Cambria		•	•		•		,	235	131	1	
Total		1,128,682		213,738	-		1,342,420			1,122		51
Cambria Coal Co.												
Fallentimber Plant	Cambria	1	1	•		ı			305	16	ı	•⊣
Stella Maris Coal Co.												
Stella Maris	Cambria	-	1	•	1,025	'	1,025		260	1		
District Total		1,448,189		213,738	1,025	•	1,662,952		215	215 1,518		148

			Pr	oduction c	Production of Coal & Coke - Net Tons	oke - Net	Tons						
					: Co	p	Coal						
			Shipped to Market	rket	: Lo	: Locally	Used in	Total	Total	: Aver-		Z	Non-
					: for		Manu-	Produc-		: age	No.	Fatal fatal	atal
		: By	By		By : Dor	Domestic	facture	tion	tion	: Days	of Em-	acci- a	cci-
Operators and Mines	County	: Rail	1 Water		ıck	Purposes	of Coke	of Coal	of Coke : Worked ployes dents dents	: Worked	ployes	lents d	ents
Helen Mining Co., The													
Homer City	Indiana	•		)66	990,329(a)	,		990,329	1	237	486	ı	128
Helvetia Coal Co.													2
Lucerne No. 6	Indiana	•	•	1,167	1,167,582(a)	1	1	1,167,582	ı	238	482	ı	59
Lucerne No. 6 Cleaning Plant	Indiana		•		•	ı	1	. 1	1	238	3	8	
Lucerne No. 8	Indiana	•	•	797	465,720	1	,	465,720	ı	240	148	ŧ	24
Lucerne No. 9	Indiana			63	635,204	1	1	635,204	ı	240	193	,	20
Total				2,268	2,268,506		•	2,268,506			826		103
Iselin Preparation Company													
Homer City Cleaning Plant	Indiana		1			,	,	•	,	256	121	1	,
North American Coal Co., The													
Aulds Run No. 2	Indiana		1	151	151,094	ı	ı	151,094	ı	220	86	,	20
Josephine No. 2 (b)	Indiana				ŧ	t		•	1	238	3	,	,
Total			-	151	151,094	-	1	151,094			101		20
North Cambria Fuel Co.													
I-22 Loading Facility	Indiana				-		ŧ	8	1	254	3		,
District Total				3,409	3,409,929(c)	1	ı	3,409,929		238	1,537	,	251

NOTE:

Coal transported by conveyor belt.

Mine temporarily closed.
2,157,911 tons were transported by conveyor belt. (c) (e)

	Bethlehem Mines Corp. Marianna No. 58 Marianna No. 58 Cleaning Plant	Total	Canon Coal Co. Pitt Gas	Consolidation Coal Co. Westland No. 1	Westland No. 2	Total
	Washington	al	Greene	Washington	Washington	al
	1,056,478	1,056,478		741,409	225,808	967,217
			ı	,	-	8
District 26			149,031	1	79,452	79,452
vol	07	07		,	r	•
	1 1			ı	1	ŧ
	1,056,518	1,056,518	149,031	741,409	305,260	1,046,669
				,	ı	ı
	235		295	241	241	
	578	604	78	245	133	378
		-		,		,
	32	32	3	16	19	35

Shipped to Market   Coal Used   Coal   Coa				Producti	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
Shipped to Market   Locally   Used in   Total						: Coal Used	Coal						
Seaver   Sounty   S			Shil	pped to Market		: Locally	Used in	Total	Total :	Aver-		2	- 0.0
County : Rail Water Truck : Purposes of Coke of Coal Greene - 1,205,598 1,205,598  Beaver 1,205,598  Trict Total 2,023,695 1,205,598 228,483 40 - 3,457,816			 BA	Bw	Rw	: for	Manu-	Produc-	Produc- :	age	No. F	atal f	atal
Greene - 1,205,598 1,205,598  Beaver 1,205,598  trict Total 2,023,695 1,205,598 228,483 40 - 3,457,816	Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	of Em- a	cci-a	cci-
Greene - 1,205,598 1,205,598 1,205,598 1,205,598 1,205,598 1,205,598 1,205,598	Gateway Coal Co.												
Beaver 2,023,695 1,205,598 228,483 40 - 3,457,816 -	Gateway Peggs Run Coal Co. Inc.	Greene	,	1,205,598	•		1	1,205,598	1	235	685	1	28
2,023,695 1,205,598 228,483 40 - 3,457,816 -	Peggs Run	Beaver			•		1	•	1	40	3	1	- 1
	District Total		2,023,695	1,205,598	228,483	07	-	3,457,816	1	239	239 1,748	1	98

Production of Coal & Coke - Net Tons

			:		: Coal Used	Coal		,				
		Ship	Shipped to Market		.: Locally	Used in	Total	Total	Aver-		~	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	Days	of Em- acci- acci-	acci- a	-icci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked	Worked ployes dents dents	dents	lents
Allegheny Mineral Corp. Strip Permit No. 571-8	Butler	1	•	61,068	,	1	61,068	1	255	13	,	•
Altmire Bros. Coal Co., Inc. Strip Permit No. 29-20	Butler	1	,	1,914	,		1,914	,	12	2		,
B & G Coal Co.	Butler	,	•	111.053	1	,	111,053		301	18	,	1
B. H. & H., Inc.	1											
Strip Permit No. 617-19	Butler	24,890	1	12,304			37,194	ı	228	17		1
Strip Permit No. 633-8	Butler	34,900	•	1	1	1	34,900	٠	168	(9	,	٠
Strip Permit No. 633-9	Butler	13,700		•	1	-	13,700	-	110	^	,	
Total		48,600				-	48,600	-		9		
Black Fox Mining & Development Co.												
Strip Permit No. 289-18A	Butler	16,590		1		•	16,590		100	22)	ı	ı
Strip Permit No. 280-22A	Butler	1,440	•	•		1	1,440		45	^	,	ı
Strip Permit No. 289-23A	Butler	64,669	•	1		1	699, 29	1	259	^	ı	1
Strip Permit No. 289-25	Butler	300	•	1		•	300	ı	5	^		ı
Strip Permit No. 289-27	Butler	16,470		1		ı	16,470	ı	109	^		ı
Strip Permit No. 289-27A	Butler	7,460		1		1	7,460	1	10	^		ı
Strip Permit No. 289-28	Butler	11,090	•	•		1	11,090	1	48	^	,	ı
Strip Permit No. 289-30	Butler	17,563	•	15,092		1	32,655		250	^	ı	ı
Strip Permit No. 289-30A	Butler	6,500		5,890		1	12,390	ı	110	^	,	ı
Strip Permit No. 289-30A2	Butler	835	1	-	-		835	-	2			
Total		145,917	•	20,982	-	-	166,899	-		22		-
Bracken Construction Co.												
6. 7 & 10	Butler	157,719		•	•	1	157,719	1	284	94	,	9
Brush Run, Inc.												
Strip Permit No. 1393-1	Beaver	•		•	7,267	1	7,267		308	2	ı	-
C & K Coal Co.	,	1		0			0,000		000	6		
Strip Permit No. 4-170	Butler	34,796	ı	3,866			36,002	ı	17.0	(07		
Strip Permit No. 4-1/1	Butler	28,/32	•	3, 192			2,17	ı	140	,		1
Auger-BAM-828	Butler	5,277		286	-	-	0,000		74	1	٠	
Total		68,805		7,644	1	-	76,449	-		23		
Darlington Brick & Clay Co.	1			0,0	07	1	10 088		077	(9	,	,
Strip Permit No. 336-4	Beaver			10,040	0	1	00000		1	,		

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	Tons			,.			
					. Cool Head	Cool						
		Shi	Shipped to Market		: Locally	Used in	Total	Total	. Awar-		_	Non
					: for	Manu-	Produc-	Produc-	386	No.	Fatal fatal	ara 1
Operators and Mines	County	. By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci-	-icci-
Darlington Brick 6 21ay Co. (continued		TTPU .	Water	Lruck	: rurposes	or Coke	ot Coal	of Coke	3	ployes	dents	lents
	peaver		-	1	-	-		-	69			
Darmon Onel Tro				10,040	48		10,088	-				
Strip Permit No. 1600-17	Butler		1	,	1	,			13	*		
Daset Mining Corp.	1			6								
Davis Bros. Coal Co.	Butler	1	ı	9,225	ı		9,225		88	16	ı	
Strip Permit No. 1607-1 Duncan Coal Co.	Beaver	'	,	742	,	,	742		37	e	,	
Strip Permit No. 1232-3(a)	Butler			22,478	1	1	22,478	,	188	7)	ı	
Strip Permit No. 1232-7(a)	Butler		'	5,346	-	-	5,346	1	41	_	,	,
Total				27,824			27,824			1		
Gross Minerals Corp.												
Strip Permit No. 1701-1	Beaver	•		11,609	1	1	11,609		194	2		,
H & D Coal Co.				1			,		,			
Highwall Mining Co.	butlerevenango			156,540		,	156,540		308	15		
Strip Permit No. 1548-2 & 2A2	Butler		1	15,808	,	1	15,808		118	15	1	,
J. & A. Coal Co.	,											
Strip Permit No. 1952-1	Butler			971	107	ı	1,078		31	2	ı	
Special Project No.464(a)	Butler	•	,	43.907	,	,	206 87	,	164	10		
Kelly Mining Co.							000		1	24		
Strip Permit No. 521-2	Beaver	•		11,069	,	1	11,069	ı	256	2)	,	
Strip Permit No. 521-2A	Beaver		1	4,782	-	-	4,782	1	30	(	1	
Total		-	-	15,851	-	-	15,851			5		1
Kerry Coal Co. Strin Permit No. 41-42	Rositor	13 7.57	1	603			100 00		700	c		
Strip Permit No. 41-44 & 44A	Butler	9 185		10,000			20,037		131	n í		
Strip Permit No. 41-45	Butler	14,989	•	6,903			21,892		210	<u> </u>		
Strip Permit No. 41-46	Butler	6,707		. 1	2,688		9,395	,	83	_	,	
Total		44,335		27,325	2,688	-	74,348			8	,	1
Lucas Coal Co. Strip Permit No. 1680-2 & 5	Butler	2.490	,	875		٠	3.365	,	9	7		_
	Butler	92,807	1	32,608	•		125,415		300	12	,	٠,

			Product	ion of Coa	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Ž	Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents d	ents
Lucas Coal Co. (continued) Strip Permit No. 1680-9	Butler	32,817	1	11,530	1	1	44,347	,	300	5	,	
Strip Permit No. 1680-10	Butler	32,105	•	11,280	1	,	43,385	1	150	11	,	1
Strip Permit No. 1680-11	Butler	67,105		23,577		,	90,682	•	300	11	•	1
Total		227,324	•	79,870	•		307,194	1		97	1	-
Malinski, Charles P.												
Strip Permit No. 1795-1(b)	Butler		•	•	,	•	•	1	30	^	1	ı
Strip Permit No. 1795-3	Butler		-	46,457	-	•	46,457	•	256	(9		,
Total			-	46,457	•		46,457	١		9		
Miller & McKnight Coal Co., Inc.												
Strip Permit No. 240-17A	Butler	,	•	72,200	4,150	1	76,350	•	250	۲)		
Strip Permit No. 240-21	Butler			18,287	1	,	18,28/		29			
Total		-	•	90,487	4,150		94,637			_	,	
Nastas, Nauncy									;			
Strip Permit No. 1787-1	Beaver			16,425	ı	ı	16,425		216	m		ı
Nastasi Coai CO.	Butlon	•		999		,	999		1,0	α	,	,
Pengrove Coal Co.	4	ı							4	)		
Strip Permit No. 74-16	Butler		•	140,614	1	•	140,614	1	176	28		7
Perry Bros. Coal Co.												
Strip Permit No. 72-18	Butler	7,339	1	96,306	1	ı	103,645		314	13		2
S. D. F. Coal Co. Strip Permit No. 147-12	Butler	20.365	1	31,087	193	,	51.645	,	271	20	,	_
Smith, Lester												
Strip Permit No. 1671-1	Butler	7,558	1	1	1	,	7,558	1	99	4	,	,
Stefkovich Brothers, Inc.												
Special Project No. 325	Beaver		1	22,489			22,489	ı	197	2	ı	ı
Sunbeam Coal Corp.												
Strip Permit No. 179-30	Butler	6,100	•	•	•	•	6,100	,	77	(8)		ı
Strip Permit No. 179-31A	Butler	1	•	1	•	1	•	1	180	^	ı	ı
Strip Permit No. 179-33	Butler	28,482	•	•	•	1	28,482	ı	66	^	,	
Strip Permit No. 179-36	Butler	11,800	•	1	1	,	11,800	ı	64	^	ı	1
Strip Permit No. 179-37	Butler	47,907		•		•	47,907	ı	306	^	ı	ı
Strip Permit No. 179-42	Butler	84,863	1	5,147		-	90,010	•	306			
Total		179,152	1	5,147		1	184,299			48		
Tiche Limestone & Construction Co. Strin Permit No. 207-182	Burler	٠	1	٠	757		757	,	284	en	,	1
	4						,		1			

				Prod	Production of Coal & Coke - Net Tons	1 & Coke - Ne	t Tons			,			
						: Coal Used	Coal						
			Shipp	Shipped to Market	i t	: Locally	Used in	Total	Total	: Aver-		4	Non-
						: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
			By	By	By	: Domestic	facture	tion	tion	: Days	Ë.	acci- acci-	cci-
Operators and Mines	County		Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke		Worked ployes dents dents	dents	lents
Vetica Construction Co.													
Strip Permit No. 627-7	Beaver			•	38,316			38,316	1	286	9	1	1
West Freedom Mining Corp.													
Strip Permit No. 68-32	Butler		1	1	1	1	1	1	ı	298	c	ı	1
Strip Permit No. 68-34	Butler		5,116	1	2,974	1		8,090	1	298	2	1	1
Strip Permit No. 68-35	Butler		1	1	•		ı	•	ı	254	2	ı	ı
Strip Permit No. 68-36	Butler		3,464	1	103	•		3,567	1	298	5	1	1
Total			8,580	•	3,077	-	-	11,657	-		15	-	1
Western Hickory Coal Co.													
Strip Permit No. 152-12	Butler		7,414	ı	2,831		1	10,245	1	213	7	1	1
Strip Permit No. 152-14 & 14A	Butler		17,740	1	16,336	1	1	34,076	1	254	^	1	1
Auger-BAM-942	Butler			•	13,256	1		13,256	-	113	^	1	1
Total			25,154		32,423	1	1	57,577	-		7	1	2
Wright, Grant R.													
Strip Permit No. 117-7	Butler			1	30,529	1	1	30,529	1	506	14)	1	1
Strip Permit No. 117-8	Butler		1	-	10,087	1	1	10,087	1	101		1	1
Total			•	1	40,616	1	•	40,616	1		14		1
District Total		6	965,738	ı	1,178,787	15,207	ı	2,159,732	ı	255	474	ı	16

Information taken from monthly reports as no Annual Report was submitted. Operation completed and planted.

Men included with those at other operations, same company, other districts. (\$ (£) NO TE:

			Produc	Production of Coal	& Coke - Net Tons	t Tons			,			
					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
			á	1	: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
Operators and Mines	County	By Bail	By Wafer	By	: Domestic	facture	tion of Col	tion	: Days of Em- acci- acci-	of Em- acci- acci-	acci-	acci-
Ambrosia Coal & Construction Co.	72			475		2000	01 00 41	0.10	, worked	proyes	dents	dents
Strip Permit No. 103-5	Lawrence	٠	•	74,225	1	,	74,225	٠	275	7	,	2
Strip Permit No. 103-13	Lawrence			86,369	ı	•	86,369	•	300	6	,	7
Strip Permit No. 103-16	Lawrence			50,802	•	,	50,802	1	295		١	۳.
Strip Permit No. 103-18	Lawrence			380			380	1	10	. 9	,	1
Total				211,776	-		211.776			29		0
Amerikohl Management Corp.												
Strip Permit No. 1920-5	Lawrence		1	1	1				30	2	ı	ı
ALWELL, NEIL					0		,					
Blum Coal Co.	Mercer		1	2,269	100		2,369		219	2		ı
Strip Permit No. 1967-1	Lawrence	,			5,683		5,683	1	26	e	٠	ı
Carlson Mining												
	Lawrence	2,000	1	25,494		,	30,494	ı	260	8)	1	•
Strip Permit No. 487-2A9	Lawrence		•	1,446			1,446	ı	24	^	٠	•
Strip Permit No. 487-4	Lawrence	2,000	•	19,736			24,736	ı	139	2	ı	ı
Auger-BAM-396	Lawrence		-	3,774		'	3,774	1	22	3	1	
Total		10,000	-	50,450	1	-	60,450	-		16		
Kerry Coal Co.												
Strip Permit No. 41-47	Lawrence	13,458		18,434	•	1	31,892	ı	268	15)	1	1
Strip Permit No. 41-48	Lawrence	•	1		,			1	63	^	8	•
Strip Permit No. 41-49 & 49A	Lawrence	10,215			2,581	•	12,796	ı	130	^	1	1
Auger-BAM-729	Lawrence		-	17,913	1		17,913	1	151		1	1
Tota1		23,673	-	36,347	2,581	-	62,601	1		15	,	-
Lucas Coal Co., Inc.			-									
Strip Fermit No. 1000-12	Mercer	3,216		6,647		1	12,863	ı	175	11	ı	,
Strip Permit No. 360-1(a)	Lawrence		,	20,185	1	,	20,185	ı	26	7	1	,
Miller & McKnight Coal Co., Inc.							•					
Strip Permit No. 240-20	Lawrence			61,822	ı		61,822	ı	250	4	1	,
Perry Bros. Coal Co.												
Strip Permit No. 72-16	Mercer			31,542	ı		31,542	ı	308	00	1	2
Strip Permit No. 72-17	Mercer			92,879	2,633	1	95,512	1	312	11	1	5
Total			-	124,421	2,633	1	127,054	1		19	2	7
Pittsburgh Refractories, Inc.	,			1								
Smoltgor Tococh	Lawrence			717	1		717	ı	83	2	1	ı
Strip Permit No. 1291-2(b)	Mercer	•	,	,	•	,	١	,	30	(2)	1	ı
										)		

District 31

				Produ	ction of Coa	Production of Coal & Coke - Net Tons	Tons						
						: Coal Used	Coal			.,			
			Shippe	Shipped to Market	t	: Locally	Used in	Total	Total	: Aver-			Non-
						: for	Manu-	Produc-	Produc-	• •	No.	Fatal fatal	fatal
			By	By	By	: Domestic	facture	tion	tion		of Em- acci- acci-	3001	2000
Operators and Mines	County		Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke		n loves	denta	donte
Smeltzer, Joseph (continued)													
Strip Permit No. 1291-3&3A(b)	Mercer			,	•			1	ı	104	^	ı	ı
Strip Permit No. 1291-464A	Mercer			ı	•	832		832	1	99	^	ı	ı
Strip Permit No. 1291-5&5A(b)	Mercer			1	•			•	ı	38	^	ı	ı
Total					•	832	1	832	ı		5		1
Thompson Mining Co.													
Strip Permit No. 523-1	Lawrence		1	ı	65,451			65,451	ı	364	10	ı	ı
Veon, Inc., Ralph A.													
Strip Permit No. 40-9(a)	Lawrence		1	,	17,137			17,137	ı	84	48)	ı	ı
Strip Permit No. 40-16(a)	Lawrence			•	6,261		,	6,261	ı	73	^	ı	2
Strip Permit No. 40-17(a)	Lawrence			,	79,282		,	79,282	ı	175	^	ı	2
Strip Permit No. 40-19(a)	Lawrence		ı	•	•				1	125	^	ı	ı
Strip Permit No. 40-20(a)	Lawrence		1	,	23,054		-	23,054	-	159	^	-	1
Total			-	-	125,734	-	1	125,734	1		48	1	2
Willowbrook Mining Co. Strip Permit No. 130-9	Mercer			1	227,371		-	227,371		301	15		-
10.000		36	36 889		036 190	11.829		984.908	,	231	188		23
חדפרידרר זהרמד		)	600,	I	2000	120644				1			

Information taken from monthly reports as no Annual Report was submitted. Backfilling. NOTE: (a) (b)

			Producti	on of Coal	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-	, M		Non-
		By	Ву	By	: ror : Domestic	Manu- facture	tion	tion		of Em- acci- acci-	racal racal acci- acci-	ratal acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	or coke	or Coal	or coke		worked ployes dents	dents	dents
Strip Permit No. 1115-6	Washington			1,034	٠	•	1,034	1	1	1	1	•
Bologna Mining Co.												
Strip Permit No. 248-12	Washington			•		•		1	2	*	1	ı
Strip Permit No. 248-19	Washington			117,869		1	117,869	1	246	21	1	1
Strip Permit No. 248-25A	Washington	,		28,224			28,224	1	225	7		ı
Strip Permit No. 248-32	Washington		,	22,382			22,382	1	199	00	1	1
Strip Permit No. 248-33	Washington			1	1	1	1	1	23	*	ı	•
Strip Permit No. 248-34	Washington		•	2,646	•	1	2,646	1	6.5	3	1	ı
Strip Permit No. 248-37	Allegheny		1	1			1	1	36	*	1	ı
Special Project No. 381	Washington			1		1	1	1	2	*	1	
Special Project No. 600	Allegheny		-	25,245	-	-	25,245	1	185	2	1	٠
Total				199,366	-	-	199,366	1		777	1	٠
C & M Coal Co.												
Strip Permit No. 1458-1	Washington				100		100	1	55	2	1	
DMB Services												
Strip Permit No. 1346-1	Washington		•	1	2,900		2,900	1	29	2	ı	ı
Deep Valley Coal Co., Inc.												
Strip Permit No. 1129-1	Allegheny			1,346			1,346	1	37	(†)	1	ı
Strip Permit No. 1129-4	Allegheny			6,182	-	-	6,182	-	127		1	
Total			1	7,528			7,528	•		4	-	
Dependable Coal & Construction												
Strip Permit No. 1609-3	Allegheny	•	1	6,438		ı	6,438	1	276	4	1	
Dosse, Victor				0			0		C	(		
Strip Permit No. 1264-1	Washington			8,659			8,009	1	200	4	1	1
Special Project No. 11	Wasnington		•	16 857			16 857		777			
Eighty Four Industries, Inc.				10,007			10000					
Strip Permit No. 809-7	Washington		•	24,000		1	24,000	1	150	5	1	1
Electro-Met Coal Co., Inc.	1											
Special Project No. 615	Washington	1	•	532	1	1	532	1	180	-	1	1
Etna Equipment & Supply Co., Inc.									0	c		
Strip Permit No. 634-3	Washington			107			750		250	12	1 1	
Strip Permit No. 034-8	Washington			46,755			40,733	1	230	77		
Total			-	48,755	-		48,/55			174	1	
Ewing, Charles W. Strip Permit No. 309-5	Washington	٠	,		ı	1	1	•	247	1	1	1
	)											

			Product	ion of Coal	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
	'	Shipp	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
		à	n n	,	for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	fatal
Operators and Mines	County	Rail	Water	Truck	. Purposes	of Coke	cf Coal	of Coke :		Days of Em-acci-acci- Worked ploves dents dents		acci-
Fleck Coal Co. Special Project No. 612	Washington	•		5,764		1	5,764			3		-
Haraty Coal Co.	10 10 11			1 035			1 035		250	-		
Special Froject No. 309 Joki, Russell W.	wasningcon			1,000	1		1,000		604	4	1	ı
Special Project No. 147A	Washington		1	3,830	1	1	3,830	1	100	2	ı	ı
Lineal Industries, Inc. Strip Permit No. 1235-3	Washington			29,531			29,531		200	3	١	,
Maceral Corp. Strip Permit No. 1850-1	Alleghenv			200		- 1	200	-1	09	1		
Mazzarini, L.				1 260	ć		1 280		O	ư		
Special Project No. 533	Allegneny			1,200	07	1	7,700		2	1	ı	ı
Strip Permit Nos. 1049-2, 4, 4A, 6, 64, 7 & 35-17	Washington			325,695	1	-1	325,695	1	289	58	•	2
Mt. Thor Minerals, Inc. Strip Permit No. 1753-1 & 3	Washington		,	13,149	1	1	13,149	1	187	2	1	
PNBP Coal Strip Permit No. 1345-2	Westmoreland			3,431			3,431	1	99	4	1	,
Pangersis Coal Co. Strip Permit No. 1304-1	Washington	,	,	112,875		-1	112,875	-1	293	11	1	
	Allegheny			37,761	1	8	37,761	-	88	111	•	
Total			-	150,636	-		130,030			77	'	
Parnell, James Special Project No. 633	Washington			1,602	-1	-1	1,602	1	09	2	1	
Pennweir Construction Co. Strip Permit No. 173-22	Washington			125,768			125,768		222	40	1	2
Petricca Coal Co. Strip Permit No. 480-1 (a)	Washington			1				-1	9/		1	,
Piccolomini, William Strip Permit No. 159-22	Washington	1	73,583			- 1	73,583	-1	253	17	1	1
Ram Construction Co., Inc. Special Project No. 722	Allegheny			27,797	1	-	27,797	-1	43	9	1	,
Rosini's, Inc. Strip Permit No. 568-6	Allegheny	i		1,196		1	1,196	1	72	7	1	,
Semian, Joseph, Jr. Special Project No. 525	Washington		1	2,437	1	1	2,437	1	180	1	1	
Stefkovich Brothers, Inc. Strip Permit No. 140-79	Washington	1	1	16,532	1	1	16,532	1	237	4	ı	1

District 32

			Produ	Production of Coal & Coke - Ner	& Coke - Net	Lons						
					: Coal Used	Coal						
		: Shi	Shipped to Market	t)	: Locally	Used in	Total	Total	: Aver-		Z	Non-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci-		acci-
Operators and Mines	County	: Kail	Water	Truck	: Purposes	ot Coke	ot Coal	of Coke	: Worked	ployes dents		dents
Warrick, H. E.												
Special Project No. 609	Washington		ı	2,932		ı	2,932		195	-		
Accor Corp. Strip Permit No. 1765-1	Beaver	•	ı	769.6	ı	1	769-6		59	*	,	,
Strip Permit No. 1765-4	Washington		1	6,964	•	•	6,964	1	82	3	,	,
Special Project No. 337	Beaver		•	14,581	•	1	14,581	ı	214	4	1	1
Total			•	31,239		1	31,239	1		7	1	.
District Total		٠	73,583	1,048,844	3,020	1	1,125,447	1	206	273	ı	2
												1
NOTE: (a) Backfilling												
* Men included with those at other operations, same company	at other opera	ations, same con	npany									
				District 32A	32A							
Boyle Land & Fuel Co.												
Strip Permit No. 966-1	Washington	1	1	1	1	•	1	•	39	3	ı	
Strip Permit No. 1374-1	Washington	,	1	•	2,426	•	2,426	•	48	2	,	
Etna Equipment & Supply Co., Inc.												
Strip Permit No. 634-4	Washington	•	1	37,351	•	1	37,351	•	256	6	ı	1
Strip Permit No. 634-6	Washington	•		29,871	٠	ı	29,871	1	248	7	1	ı
Strip Permit No. 634-7	Washington	•		44,782	,	1	44,782	ı	233	10	ı	ı
Strip Permit No. 634-10	Washington			74,563			74,563		250	∞		
Total			•	186,567	'	•	186,567			34	1	1
Friend Construction Co., H. J.	:								ì	•		
Strip Permit No. 1155-2	Washington		ı	4,765	ı	1	4,/65	•	26	7	ı	1
Strip Permit No. 1107-1	Washington	1	•	19,302	1	•	19,302	1	316	7	1	_
KES Enterprises, Inc.	,											
Strip Permit No. 1139-3	Washington	ı		18,038		•	18,038	1	289	2	1	
Strip Permit No. 334-4	Washington	,	1	٠	1	1	1	1	2	3)	1	1
Strip Permit No. 334-5	Washington	1	ı	1	•	1	٠	1	99	_	ı	1

## District 32A

			Producti	Production of Coal & Coke - Net Tons	& Coke - Ne	Tons					
				••	Coal Used	Coal					
		: Sht	Shipped to Market	••	Locally	Used in	Total	Total :	Aver-		Non-
				••	for	Manu-	Produc-	Produc-:	age	No. Fa	Fatal fatal
		: By	By	By :	Domestic	facture	tion	tion :	**	of Em-ac	of Em- acci- acci-
Operators and Mines	County	: Rail	Water	Truck:	Purposes	of Coke	of Coal	of Coke:	Worked	ployes de	Worked ployes dents dents
Rostosky Coal Co., Joseph (continued)											
Strip Permit No. 334-6	Washington			1,850	1		1,850	1	9/	^	1
Total				1,850	-	-	1,850			3	1
Teer Co., Nello L.											
Strip Permit No. 1231-1	Washington	•	3,295	•		•	3,295	•	261	5	1
Strip Permit No. 1231-4	Washington	•	4,549				4,549		261	3	•
Strip Permit No. 1231-6	Washington			51,587		1	51,587	1	215	7	1
Total			7,844	51,587			59,431	1		15	
Twilight Industries											
Strip Permit No. 1-67	Washington	•		69,151	•	•	69,151	•	237	6	1
Strip Permit No. 1-71	Washington			10,084	1		10,084	1	121	4	1
Strip Permit No. 1-86	Washington			30,729	٠	1	30,729	1	163	8	1
Strip Permit No. 1-91	Washington	1		15,967	•	٠	15,967	١	177	2	1
Strip Permit No. 1-99	Washington	1		9,179	1	•	9,179	1	129	2	1
Strip Permit No. 1-100	Washington			11,219		1	11,219	1	105	4	1
Strip Permit No. 1-102	Washington			30,348			30,348	1	135	80	1
Strip Permit No. 1-105	Washington	•	•	4,572	1	-	4,572	-	106	3	1
Total			•	181,249	•	1	181,249			949	1
Tyhonas, LeRoy											
Strip Permit No. 538-1	Washington	,	1	1		1	1	1	87	m	1
Westmont Coal Co., Inc.											
Strip Permit No. 1775-2	Washington		200,264	-	-	1	200,264		279	31	-
District Total		,	208,108	463,358	2,426	1	673,892	٠	216	151	- 2
					-						

			Product	on of Cool	Droduction of Cost & Coke - Not Tone	Tone						
			TIONACTI	OII OF COAT	a cone me	TOILS						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		Non-	
					: for	Manu-	Produc-	Produc-	age	No. F	Fatal fatal	tal
		: By	Ву	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	cci-ac	ci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes d	lents der	nts
A. & H. Coal Co., Inc.												
Strip Permit No. 1361-1	Greene	1	2,411	1			2,411	•	54	6	ı	ı
Strip Permit No. 1361-4	Greene	1	4,681				4,681	1	85	^	ı	
Strip Permit No. 1361-6	Greene		24,683	1	1	1	24,683	1	234		ŧ	1
Total			31,775	-		-	31,775	1		6	1	
Balazick, Charles												
Strip Permit No. 1880-1	Greene			54,000			54,000	1	200	6	1	1
Boyle Land & Fuel Co.												
Strip Permit No. 966-3	Greene		141,438)		9,259*	1	49,993	1	134	9	1	1
Strip Permit No. 966-466	Greene					1	100,704	1	255	12		1
Total			141,438	-	9,259	1	150,697	1		18	-	
Brooks, Charles E.												
Strip Permit No. 1876-1	Greene	•	•	11,281		1	11,281	ı	242	-		
C & J Coal Co.												
Strip Permit No. 1621-1	Greene		1	537	1	1	537	1	09	7	1	
Chess Coal Co.												
Strip Permit No. 576-5	Greene		8,106	1		1	8,106	1	93	3	1	,
Strip Permit No. 576-6	Greene		16,027	ı	1	1	16,027	1	247	9		
Total		-	24,133	-	-	-	24,133	-		6	1	
Dragan & Son												
Strip Permit No. 1522-1(a)	Greene	•		3,697	,	1	3,697	•	20	3	1	,
Strip Permit No. 1522-2(a)	Greene			5,250	-	1	5,250	-	20	9	,	1
Total		ı		8,947	1		8,947	1		6	1	1
Fillaggi Coal Co.												
Strip Permit No. 178-13 Ford & Gaskill	Greene	1	ı	909'6		1	909,6	1	30	4		
Strip Permit No. 139-3	Greene	1	1	634	1	1	634	1	67	25)	1	,
Strip Permit No. 139-4	Greene	1	•	1	,	ı	1	1	43	^	1	ı
Strip Permit No. 139-4A	Greene			82,208	,	1	82,208	1	319	^	ı	ı
Strip Permit No. 139-5A	Greene	1	•	74,042	1	1	74,042	1	273	^	ı	,
Strip Permit No. 139-6	Greene		•	, 1	•	1	. "	1	285		,	1
Total				156,834		1	156,884			25		
Genovese Coal Co.												
Strip Permit No. 244-20 & 20A	Greene			1,536	1	1	1,536	1	96	3	1	1
Golden Flame Fuel Co.												
Strip Permit No. 1141-13	Greene	1		10,592	1	1	10,592	1	73	10	ı	2

			Product	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
		 Shipp	Shipped to Market		: Coal Used	Coal Used in	Total	Total	A 170 r.		Ŋ	N
Operators and Mines	County	 By Rail	By	By	for Domestic	Manu- facture	Produc-		age Days	No. Fatal fatal of Em- acci- acci-	Fatal fatal acci- acci-	atal cci-
Jordan Coal Co.		***************************************	Harer	TENCH	. rurboses	or coke	or coal	of Coke :	Worked	Worked ployes dents dents	lents de	ents
Strip Permit No. 664-4	Greene	,	,	5,439	•	,	5,439	ı	128	-	,	
Lawrence Coal Co.										4		
Strip Permit No. 1063-1	Greene	,	•	3,200	•		3.200	,	4.5	20)		
Strip Permit No. 1063-2	Greene		•	3,520		,	3,520	,	45		,	
Strip Permit No. 1063-3	Greene	,	•	6,400		,	075,0	•	70	~ ~		
Strip Permit No. 1063-4	Greene	1	•	97,268			97,268	,	177			
Total		1		110,388			110,388			20		
Leeland Development												
Strip Permit No. 1604-1	Greene	1	•	5,183	•	٠	5,183	,	248	8		
Nardei Contracting Co., Inc.										1		
Strip Permit No. 1359-4(a)	Greene	•	•	5,200	,		5.200	ı	21	10	ı	1
Omni Energy Corp.									í	9		
Strip Permit No. 1391-1	Greene		36,159	1	•	•	36,159	ı	215	10	,	
R.A.S. Excavating Co.												
Strip Permit No. 1731-3	Greene	,	•	29,495		•	29,495	,	200	7	,	ı
R & S Coal Co.												
Strip Permit No. 1118-1	Greene	1		1	•	ı		•	123	1	,	,
Rondell Co., The												
Strip Permit No. 511-15	Greene	1	1	51,952	٠	•	51,952	,	252	3	ı	_
Rumble, Jim												
Strip Permit No. 1091-1 (b)	Greene		1	•		1	•	1	10	3)		ı
Strip Permit No. 1091-4&6	Greene	1	-	13,911			13,911	1	214	_	,	1
Total			1	13,911	-	-	13,911			3		
Teer Co., Nello L.												
Strip Permit No. 1231-11	Greene		109,304	•	,		109,304	•	261	14	,	2
Strip Permit No. 1231-13	Greene		46,953			,	46,953	•	261	15	,	
Total			156,257				156.257			29		5
West Penn Coal & Construction Co.												
Strip Permit No. 581-19	Greene		1	69,283			69,283	•	81	14	,	1
Zavek, Inc.							•					
Strip Permit No. 1213-2	Greene		-	41,385	1	'	41,385		172	11		
District Total		,	380 762	585 610	0 250		077 700		000	0		c
			301,000	740,000	7,439	•	704,040		707	210		0

Information taken from monthly reports as no Annual Report was submitted. Stockpiled,

NOTE:

<sup>(</sup>a) (b) \*

			Produc	Production of Coal	& Coke - Net Tons	+ Tons						
				200		Cool			٠,٠			
		Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			- noN
		d	ď	P	: for	Manu-	Produc-	Produc-	age	No.	Fatal	fatal
Operators and Mines	County	: By	by Water	by Truck	: Domestic	racture of Coke	tion of Coal	tion of Coke		Days of Em- Worked nloves	acci-	acci-
Baker Coal Co.	;											
Strip Permit No. 1645-1	Fayette		1	15,456	ı	ı	15,456		120	00	ı	ı
Strip Permit No. 1220-3C	Fayette	1	1	4,880	1	1	4,880	,	164	4	,	1
Bologna Mining Co.	4			27.3			676		100	c		
Strip Fermit No. 240-24(a) Brant Coal Co Inc.	rayerre			/43	ı		/43		109	2	ı	ı
Strip Permit No. 194-9	Fayette	1	1	68,516	1	1	68,516	1	176	11		
Carbonara Coal Co.	F		000				000		157	c		
Strip Fermit No. 330-14	rayette		33,709	ı	ı		33,789		104	×	ı	ı
Special Project No. 493(b)	Fayette	1	1	1	455	1	455	1	20	2	,	
Chess Coal Co.			1						.00	,		
Strip Permit No. 5/6-/	Fayette		7,906	ı		ı	7,906	ı	107	<b>†</b> °	ı	
Strip rermit NO. 3/0=9	rayerre		11,111	1			11,111		TOT			
Coal Energies, Ltd.			11,111	'	1		11,111					
Strip Permit No. 941-1 (Refuse)	Fayette	1	1	1	1	1		ı	2	1		
Strip Permit No. 1626-1	Favette			34,463	,		34,463	1	185	15	1	1
Delta Mining, Inc.	ì									,		
Strip Permit No. 1200-2	Fayette	ı	ı	12,965	ı	ı	12,965	1	203	9	ı	
E & J Contracting Co. Strin Permit No. 1902-19	Havette			71 785	ı	,	71 785	1	258	7	ı	,
Eidemiller, Inc., Adam				0)					)			
Strip Permit No. 578-37	Fayette		1	14,661	ı	,	14,661	1	34	13	ı	1
Strip Permit No. 578-39	Fayette		1	39,550	1	1	39,550	ı	47	31	ı	_
Strip Permit No. 578-40	Fayette		-	14,257	-	-	14,257	-	44	21		. -
for the plant that the			-	007,000	-	-	00,400	1		60		4
Strip Permit No. 1141-11	Fayette	,	1	1,700	,		1,700	1	54	9	,	1
Granbay Coal Co.							,					
Strip Permit No. 1769-1 & 2	Fayette	1 1	1 1	111,801	1 1		111,801		247	12		
Total				128,620			128,620	-		16		.
Harbison Walker Refractories, U.S.	-								367			
Hibbs & Mvers Coal Co.	rayerre		1	1	ı				100	t		1
Strip Permit No. 833-6(b)	Fayette		1	8,625	1		8,625	1	09	4	1	1

			1									
			Produc	ction of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal			,			
		: Shij	Shipped to Market	ш	Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents	dents	dents
Hill Coal Co.	Favette		1	487		,	487	,	15	3)	,	,
Still relate No. 407-5	Torretto			2 5/40	,		675 8	,	114		,	
Strip Fermit No. 457-5	Favette			2,783		,	2,783	1	9/	_	1	,
Total				6,819	-	-	6,819	1		3		,
Horwath Coal Co.												
Special Project No. 494(b)	Fayette		1	2,336		1	2,336		40	-	ı	1
Hostetler, Sam				1					ć	-		
Special Project No. 607(b)	Fayette			1,305			1,305		99	<b>-</b>	ı	1
Jebco Coal Co., Inc. Strip Permit No. 1219-3	Favette	,	1	14,384	1	1	14,384	,	72	80	1	,
Kaiser Refractories												
Strip Permit No. 390-1	Fayette	•	1	4,161			4,161		240	6	1	1
Kravetsky, Charles	1	1		5 8 4 5	1	1	4.845	1	324	8		,
Tawrence Coal Co.	rayerre	ı	ı	,						1		
Strip Permit No. 1063-5	Fayette		1	18,054	1	1	18,054		136	7	1	,
Marsolino Coal & Coke, Inc.	,						1		0	(		
Strip Permit No. 71-25	Fayette	147,775		110,162		1	257,937	ı	303	09	ı	1
Menallen Coke Co.			101				31 797		221	7		o
Strip Permit No. 281-/	Fayette		31,797	ı	1	1	31,121		177		ı	
Strip Permit No. 1721-4	Fayette		1	17,329	ı	,	17,329		235	1	ı	,
Minor, Walter, Jr.												
Special Permit No. 97	Fayette		•	1,516	200		2,016		138		1	1
Mt. Thor Minerals, Inc.				1			1		2	-		
Strip Permit No. 1753-4(b)	Fayette			7,506	,	,	0000,/	1	0/	-		1
Oak Run Coal, Inc.							000		300	0		
Strip Permit No. 863-8	Fayette			42,329			47,329		202	0	1	1
Oberlechner, Steve							0		17/0	-		
Strip Permit No. 1209-2	Fayette	•		9,518	1	1	9,310		1+7	4	ı	
Purco Coal, Inc.									77	0		,
	Fayette	1		. !			1 0		// -	4 ~		
	Fayette			17,972			17,972		140	<b>t</b> v		1
Strip Permit No. 413-11	Fayette	1		32,695			32,695	1	707	0 0	ı	ı
	Fayette		,	16,242			16,242	1	787	<b>n</b> c	1	ı
	Fayette	*	,	1,353			1,333	1	17	n (	ı	ı
Strip Permit No. 413-14C	Fayette	1		21,397			21,397	1	259	~	ı	

				Produc	tion of Coal	Production of Coal & Coke - Net Tons	t Tons						
						: Coal Used	Coal						
			Shippe	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		~	Non-
						: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
			By	By	By	: Domestic	facture	tion	tion		of Em-	acci-	acci-
Operators and Mines	County		Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke		ploves	dents	lents
Purco Coal, Inc. (continued)													
Strip Permit No. 413-15	Fayette			1	1	,	ı	1	ı	28	7	ı	
Strip Permit No. 413-16	Fayette		1	1	•		1	1	ı	18	_	1	,
Strip Permit No. 413-17	Fayette		1	1	24,065			24,065	ı	239	4	6	ı
Strip Permit No. 413-18	Fayette			-	1,050	-	1	1,050	1	10	*	,	,
Total				•	114,774		-	114,774	-		27	-	
Richter Trucking Co.													
Strip Permit No. 1463-2	Fayette		1	1	92			92	1	2	2)	ı	ı
Strip Permit No. 1463-3	Fayette		1	ı	7,005	-	-	7,005	1	165		1	-
Total			1	1	7,097	-	-	7,097	1		5	•	1
Robbie Coal & Fuel, Inc.													
Special Project No. 491(b)	Fayette		1	1	5,422			5,422	1	133	2	1	1
Rose Coal Co., John C.													
Strip Permit No. 1066-7	Fayette		1	1	2,225			2,225	ı	224	2		
Snyder, Curtis													
Strip Permit No. 1582-2	Fayette		1	1	5,144	1	ı	5,144	ı	193	2	1	
Solomon & Teslovich													
Strip Permit No. 628-9(a)	Fayette			57,119	•			57,119	ı	242	10	•	
Strip Permit No. 628-12 & 12(a)	Fayette		1	1,417		1	-	1,417	1	166	~	'	٠
Total				58,536			-	58,536	1		13		-
Tedesco, William K.													
Strip Permit No. 329-21	Fayette	1		-	-	1	1	-	-	40	2		•
E		-71	110	136 333	791.147	2 2 2		1 075 110		177	331		=
District lotal		/ 157	14/,//3	133,233		666	1	1,0/0,110	1		100	ı	17

NOTE:

 <sup>(</sup>a) Completed.
 \* Men included with those at other operations, same company.
 (b) Information taken from monthly reports as no Annual Report was submitted.

# District 33A

Strict Return No. 1427-2   Payette   Coult No. 1400-2   Payette   Coult No. 1400-2   Payette				Produc	tion of Coal	Production of Coal & Coke - Net Tons	t Tons						
Hiteland			Ship	ped to Market		: Coal Used : Locally	Coal Used in	Total	Total	Aver-			Non-
Mines         County         : Rail         Mater         Truck : Purposes of Coke         of Coke         of Coke           No. 1404-768         Fayette         -         -         4,087         -         4,087         -           No. 1427-1         Fayette         -         -         443         -         -         4,087         -           No. 1427-2         Total         Fayette         -         -         1,004         -         -         1,109         -         -         1,004         -         -         1,109         -         -         1,100         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004         -         -         1,004			By	Ву		: for : Domestic	Manu- facture	Produc- tion	Produc- :	age Days	No. Fatal of Em- acci-	Fatal fata acci- acci	fata
No. 1404-768   Fayette     4,087   -   4,087   -     123	Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	ployes	dents	dent
No. 1437-1 No. 1437-2 No. 1437-1 No. 1437-2 No. 1437-2 No. 1437-1 No. 1437-1 No. 1437-2 No. 1437-1 No. 1437-2 No. 1437-2 No. 1437-2 No. 1437-2 No. 1437-1 No. 1437-2 No. 1437-2 No. 1437-1 No. 1437-1 No. 1437-2 No. 1437-2 No. 1437-2 No. 1437-1 No. 1437-1 No. 1437-1 No. 1437-1 No. 1437-2 No. 1437-1 No. 1437-1 No. 1437-2 No. 1437-1	Ann Mineral Co. Strip Permit No. 1404-7&8	Fayette	ı	•	•	4,087		4,087	1	123	9		'
No. 1427-1  No. 1427-2  Total  Fayette	Bartoni, John Strip Permit No. 1979-1	Fayette		,	443		•	443	•	240	1	•	1
No. 1427-2   Total   Fayette	Bartoni, Rocco Strin Permit No. 1427-1	Ravette	٠	1	622		•	622		88	1)	•	•
Total   Tota		Fayette			1,109		•	1,109		66	. \		
No. 410-842         Fayette         1,004				•	1,/31	•	•	1,731			-		
You would be delicated   Fayette	Strip Permit No. 410-8A2	Fayette	•	ı	1,004	•		1,004		73	1)	•	•
Fayette Fayette		Fayette			918			918		67	\ -	. .	
No. 1935-1 Refuse   Fayette   4,870   4,870   - 100					13764			77/67					
Fayette   Faye	Strip Permit No. 1935-1 Refuse	Fayette	•	ı	4,870			4,870	,	100	3		١
Fayette   Fayette	Bortz Coal Co. Strip Permit No. 456-10	Fayette	•	1	•		•	•		230	3	٠	1
Fayette   Fayette   -	Buncic, John												
	Strip Permit No. 636-13	Fayette		ı		20		20		09	2		•
S50-10 & 14   Fayette	Strip Permit No. 1869-1 Refuse	Fayette	•		3,870	•	•	3,870	•	270	2	ı	•
. 550-10 & 14	Carbonara Coal Co.	•											
1696-4   Fayette     -   -   -   -     -	Strip Permit No. 550-10 & 14	Fayette		8,461				8,461		93	œ	1	1
No. 710 Fayette 24,168 899 - 25,067 - 225 1  No. 710 Fayette 1,083 1,083 - 50  1934-1 Fayette 1,011 - 166  1633-1 Fayette 457 - 20  244-18 Fayette 457 - 20  244-21 Fayette 5,106 - 158  244-22 Fayette - 5,106 - 158  244-24 Fayette - 5,106 - 158	Strip Permit No. 576-4	Fayette		•	1	•	,	•	•	83	3		١
No. 710 Fayette 24,168 899 - 25,067 - 225 1  No. 710 Fayette 1,083 1,083 - 50  1934-1 Fayette 1,011 - 166  244-18 Fayette 457 - 20  244-18 Fayette 1,047 - 213  244-21 Fayette - 5,106 - 5,106 - 158  244-25 Fayette - 5,106 - 158  244-27 Total Fayette - 5,106 - 158	Cicconi, Attilio	•											
No. 710 Fayette 1,083 1,083 - 50  1934-1 Fayette 1,011 - 166  1633-1 Fayette 457 - 20  244-18 Fayette 1,047 - 213  244-21 Fayette - 5,106 - 5,106 - 158  Total Fayette - 5,106 - 158  Total Total Fayette - 6,153 - 158	Strip Permit No. 1696-1	Fayette	•		24,168	899	•	25,067	ı	225	12	ı	1
No. 1934-1 Fayette 1,011 - 166  No. 144-18 Fayette 457 - 20  No. 244-24 Fayette 1,047 - 2,106  No. 244-25 Fayette - 5,106 - 5,106  Total Total Fayette - 6,153 - 1,88	Eberhart, Jr., Ray Special Project No. 710	Favette	,	,	1,083	1	•	1,083	,	20	1	,	١
No. 1934-1   Fayette     1,011   -   166     No. 1633-1   Fayette   -   457   -   20     No. 244-18   Fayette   -   457   -   20     No. 244-2   Fayette   -     457   -   20     No. 244-2   Fayette   -	Farkas Coal Co.	•											
No. 1633-1   Fayette	Strip Permit No. 1934-1	Fayette	1	ı	1,011	•		1,011		166	4		•
0. 1633-2 Total Fayette	Strip Permit No. 1633-1	Favette			457			457	•	52	1)	•	١
Total Fayette	Strip Permit No. 1633-2	Fayette				•	•	•	1	20		١	1
244-18 Fayette - 1,047 - 1,047 - 213 244-21 Fayette - 1,047 - 213 244-25 Fayette - 5,106 - 5,106 - 158 Total - 6,153 - 6,153 - 6,153				•	457		•	457			-		
Fayette - 1,047 - 1,04		1									6		
Fayette - 5,106 - 5,106 - 6,153 - 6,153 -		Fayette		٠.	1.047			1.047		43 213	7		
Fayette - 5,106 - 5,106 - 7,10	Strip Permit No. 244-25	Fayette	•	•		•	,	î	•	42	_	•	١
6,153		Fayette	•	•	5,106			5,106	•	158	7		1
	Total		1	•	6,153	1	•	6,153	-		7 -	ı	ı

			Produ	ction of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
			Shipped to Market	1	. Locally	Used in	Total	Total	: Aver-		4	Non-
		: By		By	: ror : Domestic	Manu- facture	Produc- tion	Produc-	: age	No.	No. Fatal fatal	fata]
Operators and Mines	County	: Rail	1 Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ploves dents dents	denta	dente
Gillis, Walter L.	ı											
Hal Coal Co.	Fayette	ı		15,812	ı	ı	15,812		230	7	ı	1
Strip Permit No. 1717-2	Fayette	1		358	,	1	358	,	20	2	1	1
Hudock Equipment				0			0		0	,		
J & B Coal Co.	rayerre	•		880		ı	880		3/	<b>-</b>	ı	
Strip Permit No. 1688-2	Fayette	1		2,508	1	,	2,508	1	144	2)	,	1
Strip Permit No. 1688-3	Fayette	-	-	3,133	1	1	3,133	1	54	^	1	1
Total		-		5,641	1	-	5,641	-		2		
Kendi & Sons, Inc., Paul W.												
Strip Permit No. 570-8	Fayette	•		23,998			23,998	1	210	( 7	1	-
Special Permit No. 683	Fayette	-	•	6,373		-	6,373		70			1
Total			-	30,371	1		30,371	-		4	-	1
Krulock, Steve												
Strip Permit No. 345-2	Fayette	•		699		,	699	1	20	-	1	1
Laurel Ridge Coal, Inc.												
Strip Permit No. 1337-1A	Fayette	1		132,837	1		132,837	1	304	42	,	4
Strip Permit No. 1337-4	Fayette		•	975	-	-	975	1	35	6	4	1
Total		-	1	133,812	1	-	133,812	-		51		4
Lavery, Elzie E.												
Strip Permit No. 1692-1	Fayette	•		1	292		292	1	52	1	1	ı
Luzerne Coal Co.												
Strip Permit No. 750-6, 14, 15, 1	19,											
20,21,23,24,23,21,31,32,33, 33A & 34	Favette	'	533.425	١	1	,	567 885		787	105	,	9
Marsolino Coal & Coke, Inc.							1		)	0		)
Strip Permit No. 71-26(a)	Fayette	1		1	ı	1	1	1	130	2	ı	•
Medved Mining Co.												
Strip Permit No. 1709-3	Fayette	1		14,964	1	1	14,964	ı	260	2	,	ı
Mineral Resources, Inc.												
Strip Permit No. 1863-162	Fayette	1		12,140	1	1	12,140	ı	210	3	ı	ı
Pennsylvania Mineral Co.	Dorrotto							ı	7	c	1	
Pittsburgh Coal & Coke, Inc.	rayerre	1	1	1	ı	1	1		_	7		
Strip Permit No. 1904-2 Refuse	Fayette	1	1	1	1	1	1	ı	240	3	1	1
Strip Permit No. 1904-2A Refuse	Fayette	-		4,349	1		4,349		126	26	1	1
Total			-	4,349	-	-	4,349	-		29	1	1

#### District 33A

				Productio	on of Coal	Production of Coal & Coke - Net Tons	Tons						
						: Coal Used	Coal						
			Shipped to Market	Market		: Locally	Used in	Total	Total	: Aver-			Non-
		••				: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	fatal
Operators and Mines	County	By Bail		By Water	By	: Domestic	facture	tion	tion	Days	of Em- acci- acci-	acci-	acci-
Puskar, John J.						52504 154	2000	01 0001	OI CORE	worked	worked proyes dents dents	aents	dents
Strip Permit No. 424-1	Fayette	1			ı	200	1	200	,	240	7	,	,
Rostosky Coal Co., Joseph													
Strip Permit No. 334-8	Fayette	1			1	,	1		1	2	3	,	,
Ruane Arnold Coal Co.													
Strip Permit No. 589-1A2	Fayette	•			2,008			2,008	1	28	3)	,	,
Strip Permit No. 589-1A3	Fayette	•			7,214		,	7,214	,	116	_	ı	,
Strip Permit No. 589-1A4	Fayette	•			5,779		ı	5,779	,	101	_	1	1
Strip Permit No. 589-3A3	Fayette	•			2,875	•		2,875	1	114	3)	,	,
Strip Permit No. 589-3A4	Fayette	•			821	,	,	821	1	84	_	,	,
Strip Permit No. 589-4A	Fayette				999			995	1	164	_	ı	,
Total					19,263	1		19,263			9	١.	
Rush Coal Co., Inc.													
Strip Permit No. 1891-1	Fayette	1			8,026	,	,	8,026	ı	180	4	,	
S.D.S. Construction Co., Inc.													
Strip Permit No. 1530-2(a)	Fayette	1		1	5,070	,	•	5,070	ı	42	6)	,	
Strip Permit No. 1530-6	Fayette	-		1	13,400		•	13,400	ı	54	~		1
Total				-	18,470	-	-	18,470	-		6	-	-
Sager Coal Co.													
Strip Permit No. 1150-1	Fayette	•	14,	14,594	1	10,507	,	25,101	1	131	00	,	1
Soberdash Coal Co.													
Strip Permit No. 1855-5	Fayette	1			3,916	1		3,916		207	7	ı	1
Soberdash Coal & Coke Co.					1			,		,	i		
Strip Permit No. III-52	Fayette	•		1	528			528	ı	164	7	ı	
Strip Permit No. 111-53	Fayette	-		-	_	-	-	1	1	173		,	
Tota1				-	528	-	-	528	-		7	,	-
Solomon & Teslovich													
Strip Permit No. 628-17	Fayette	•			6,718	ı	1	6,718	ı	47	2	ı	
Sperko, Joseph											,		
Strip Permit No. 1794-1	Fayette	1				209	ı	209		23		ı	ı
Strip Permit No. 1293-1	Favette	ı			1.617	1	,	1,617		224	2	,	
Swenglish & Sons Coal Co., Charles L.													
Strip Permit No. 1797-1	Fayette	1			1,583	,	1	1,583	ı	300	3	ı	

			1	0 30 -014		E			1			
			Froduc	rion or Coal	Production of Coal & Coke - Net Ions	t Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	Total : Aver-			Non-
					: for	Manu-	Produc-	Produc-	. age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days		of Em- acci- acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	of Coke : Worked ployes dents dents	d ployes	dents	dents
TIC, Inc.												
Strip Permit No. 1939-1	Fayette			3,916			3,916		91	2	ı	ı
Villa Coal Co.										•		
Strip Permit No. 1549-1	Fayette	•		1,905			1,905	ı	124	7.	ı	
ofer, Jr., Edward V.										,		
Strip Permit No. 1693-1	Fayette			1,106	ı		1,106	,	122	<b>-</b>		ı
West Penn Coal & Construction Co.							1		7			
rip Permit No. 581-13 & 14	Fayette	1		7,104		ı	7, 104	ı	149	13)	ı	ı
Strin Permit No. 581-15	Favette	1		45,654			45,654		299	^	1	-
Total				52,758	-		52,758			13		•
Wingrove Mining. Inc.												
Special Project No. 637	Fayette		-	10,320	•	-	10,320	-	230	3		
•												
District Total			556,480	394,830	16,544	ı	967,854	,	222	334	ı	12

NOTE: (a) Backfilling.

	J		Product	Production of Coal & Coke - Net Tons	Coke - Net	Tons						
		7.10	7		Coal Used	Coal						
	!	Ship	Shipped to Market		Locally	Used in	Total	Total	: Aver-			Non-
		Ву	By	By :	for Domestic	Manu- íacture	Produc- tion	Produc-	: age : Days	No. of Em-	Fatal fatal acci-acci-	fatal acci-
Operators and Mines	County :	Rail	Water	Truck :	Purposes	of Coke	of Coal	of Coke	: Worked	ployes dents	dents	dents
Alincic, Raymond P.	Westmoreland	,		313			313		16	-		
Aloe Coal Co.									2	4	ı	
Strip Permit No. 35-2,2A,5,8, 11.12.12A.14&15	Allegheny	,	198,651	278.876	11	•	477,538		289	73		7
Ansell, Earl												
Appear Co. Tree.	Westmoreland	ı	ı	ı	2,078	•	2,078	•	133	2	1	1
Strip Permit No. 497-3A2(a)	Allegheny	1	1	562	1	1	562	•	32	5)	1	1
Strip Permit No. 497-3A3(a)	Allegheny	1	1		1		1	1	-	^	1	1
	Allegheny	1	-	2,468		•	2,468	1	80		1	1
Total		-		3,030			3,030	1		5	1	1
Big Break Mining Co. Strip Permit No. 887-2	Allegheny		1	7,073	182	1	7,255	1	85	5	1	1
Brown Coal Co., Inc., C.W.									1			
Strip Permit No. 273-5(a) Cheren's Excavating	Westmoreland		ı	6,038	ı	•	6,038	ı	88	n	1	ı
Special Project No. 684	Allegheny	٠	1	009	1	•	009	1	72	2	1	ı
Crescent Hills Coal Co., Inc. Special Porject No. 562	Westmoreland	1	,	4,293	٠	•	4,293	•	150	5	1	1
D.C. Industries, Inc.				•								
Strip Permit No. 1735-1	Westmoreland	ı	ı	2,285	1	1	2,285	1	48	n	1	ı
Strip Permit No. 1202-4A	Westmoreland	1	1	8,006		•	8,006	1	109	2	1	1
Eidemiller, Inc., Adam									-	(		
Strip Fermit No. 5/8-2A(b)	Westmoreland							1 1	3.5	<u>^</u>		1 1
Strip Fermit No. 578-32(c)	Westmoreland			636			636	•	94	_	1	1
Total			1	636		1	636	-		3	1	1
Fello, Thomas A.				000			000		10,	٠		
Strip Fermit No. 3/2-10 Garv-John Associates	westmoreland			300	1	•	2005	•	104	n		
Strip Permit No. 1528-1	Westmoreland		1	68,046	2,500	1	70,546	1	312	9	1	1
Strip Permit No. 1141-2	Westmoreland	1	,		1	1	1	•	23	8)	1	ı
Strip Permit No. 1141-10	Westmoreland		1	14,855	1	-	14,855	1	217		1	•
Total	J		•	14,855	-	-	14,855	'		00	-	

	1.		Product	Production of Coal	& Coke - Net	t Tons						
		Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Non-	-
	١,.	,	1	1	: for	Manu-	Produc-	Produc-		No. F	Fatal fatal	tal.
Onerators and Mines	County	By Rail	By Water	By Truck	: Domestic	facture of Coke	tion of Coal	tion of Coke	: Days : Worked	Days of Em- acci-acci- Worked ploves dents dents	cci- acc ents den	ts tr
Gorr, Richard Strip Permit No. 959-1A2	Westmoreland			ı			1	1	45	2		١.
Green, Inc., Walter	•			1			1		! }	, (		
Strip Permit No. 250-10	Westmoreland			1,464	1		1, 910	1	980	<u>ر</u>		
Strip Fermit No. 230-11	Mestmoreland			24,010 8,651			24,010 8 651		200			
Stirk remain NO. 200-12 Total	Nes ciliot e tarre		1	30,925			30,925			5		1.
Holliday Constructors, Inc. Strip Permit No. 1216-4	Westmoreland			173,536			173,536		249	20		
Kendi & Sons, Inc., Paul W.							1		;	i		
Strip Permit No. 570-5	Westmoreland	ı		5,523			5,523	ı	09	2)	ı	ı
Strip Permit No. 570-7	Westmoreland		•	5 503			5 503		35	0		.].
T. & A Cost Co.	1			2,723			22.60			1		
Strip Permit No. 1909-1	Westmoreland	1		7,073			7,073	ı	193	7		
Strip Permit No. 1847-1	Westmoreland	,	20,329	1	,	1	20,329	,	164	12)	ı	
Strip Permit No. 1847-26.3	Westmoreland	1	18,716	1	1	-	18,716	•	295	^	1	
Total		-	39,045	-		'	39,045	1		12	1	
McGill Excavating Special Project No. 533	Westmoreland	t		800	1	1	800	1	180	1		
Manges, Lloyd Strip Permit No. 1874-2	Westmoreland	,	,	827	1	1	827	1	28	3	ı	
Mikel, Edward Strip Permit No. 631-7	Westmoreland	,	,	26,348	,	•	26,348	,	250	5	ı	
O'Brien & Son, Inc., William H.				1,00			1 000		00	c		
Overly, L. W.	wes cliot e taild		ı	1,100	ı	1	0016	ı	24	7	ı	
Strip Permit No. 260-12A	Westmoreland	ŧ		261		1	261	ı	<u>ا</u> 5	<u> </u>		ı
Auger-BAM-841	Westmoreland			9,464			9,464		20	5		. .
Overly, Walter H.	1			23153			13127					
Strip Permit No. 1865-1A	Westmoreland	1	ı	17,532	1	1	17,532	ı	260	6	t	
Strip Permit No. 1587-1	Westmoreland	•	1	4,955	1	•	4,955	ı	95	4		
Strip Permit No. 1699-4	Westmoreland	•	ı	6,622	1	ı	6,622	ı	181	2		
Fenn Lear Development Corp. Special Project No. 570	Allegheny	ı	•	1,920	1	1	1,920	1	70	1		

District 34

Coal Used Coal   Coal				Product	ion of Coal	Production of Coal & Coke - Net Tons	Tons					
County   Shipped to Market   Locally   Used in   Total   Average   Shipped to Market   Locally   Manue   Product   Product   Product   Days   Of Emanue   Product   Product   Days   Of Emanue   Product   Days   Of Emanue   Product   Days   Of Emanue   Days   Of Emanue   Product   Days   Of Emanue   Days   Of Emanue   County   Allegheny   Coun		••				: Coal Used	Coal					
County   Early   Ear		••	S	hipped to Market		: Locally	Used in	Total	•••	Aver-		Non-
Allegheny   Eby   By   Eby						: for	Manu-	Produc-	Produc- :	age		Fatal fatal
Nestmoreland   Nater   Truck   Purposes   of Coke   Of Coke   Norked   Norked		••	By	By	By	: Domestic	facture	tion	tion :	Days	of Em-	acci- acc
Mestmoreland	Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	ploves	dents der
Mestmoreland	Petricca Coal Co.											
Westmoreland	Special Project No. 471	Allegheny	1		4,855		1	4,855	1	09	2	•
Westmoreland         -         70,000         -         70,000         -         230         9           Westmoreland         -         34,889         -         -         34,889         -         252         6           Westmoreland         -         14,061         -         14,061         -         130         3           Westmoreland         -         -         7,926         -         -         7,926         -         118         2           Westmoreland         -         -         63,945         -         -         3,945         -         118         2           Westmoreland         -         -         63,929         -         -         288         1         1           Total         -         -         63,929         -         188         1         2           Allegheny         -         -         8,028         -         53         3           Westmoreland         -         -         4,650         154         -         4,804         -         145         2           Westmoreland         -         -         9,794         -         9,794         -         193         4	Robinson, Inc., Alice K.											
Westmoreland   -	Strip Permit No. 1258-1	Westmoreland	•			70,000		70,000	1	230	6	•
Westmoreland         -         34,889         -         34,889         -         552         6           Westmoreland         -         14,061         -         14,061         -         130         3           Westmoreland         -         7,926         -         7,926         -         7,926         -         108         9           Westmoreland         -         63,929         -         75,800         -         23,945         -         118         12           Allegheny         -         -         8,028         -         75,800         -         53         3           Westmoreland         -         -         8,028         -         75,800         -         53         3           -         -         4,650         -         -         75,800         -         53         3           -	Rondell Co., The											
Westmoreland	Strip Permit No. 511-12	Westmoreland	•		34,889		1	34,889	1	252	9	1
Westmoreland         -         14,061         -         14,061         -         130         3           Westmoreland         -         -         -         882         -         882         -         7,926         -         7         3           Westmoreland         -         -         3,945         -         -         108         9           Westmoreland         -         -         63,929         -         -         288         11           Allegheny         -         -         75,800         -         -         53,925         -         288         11           Mestmoreland         -         -         4,650         154         -         8,028         -         53         3           Mestmoreland         -         -         9,794         -         145         2         -           Allegheny         -         -         9,794         -         193         4           -         -         -         9,794         -         193         4           -         -         -         9,794         -         193         4           -         -         -         <	Salem Fuel Co.											
Westmoreland         -         -         -         -         7,926         -         7,926         -         7,926         -         108         9           Westmoreland         -         -         63,929         -         -         63,929         -         108         9           Total         Westmoreland         -         -         63,929         -         -         288         11         2           Allegheny         -         -         8,028         -         -         75,800         -         -         22           Westmoreland         -         -         4,650         154         -         4,804         -         145         2           Allegheny         -         -         9,794         -         9,794         -         193         4           Total         -         -         9,794         -         -         9,794         -         193         4	Strip Permit No. 1501-2	Westmoreland	•	1	14,061		•	14,061	1	130	ო	ı
Westmoreland         -         -         882         -         7,926         -         7,926         -         7,926         -         7,926         -         108         9           Westmoreland         -         -         63,929         -         -         63,929         -         118         2           Total         -         -         75,800         -         -         75,800         -         22           Mestmoreland         -         -         8,028         -         -         75,800         -         22           Westmoreland         -         -         4,650         154         -         4,804         -         145         2           Allegheny         -         -         9,794         -         9,794         -         193         4           Total         -         -         -         9,794         -         1,147,117         -         213         256	Slate Construction Co., Inc.											
Westmoreland Vestmoreland	Strip Permit No. 1818-2	Westmoreland	•			882		882	1	7	n	1
Westmoreland Vestmoreland V	Solomon & Teslovich											
Westmoreland	Strip Permit No. 628-15	Westmore Land	•	1	7,926		•	7,926	•	108	6	1
Total Westmoreland 63,929 - 63,929 - 288 11  Allegheny 63,028 75,800 - 22  Allegheny 8,028 - 8,028 - 53 3  Allegheny 9,794 - 9,794 - 193 4  Total - 237,696 833,614 75,807 - 1,147,117 - 213 256	Strip Permit No. 628-16	Westmoreland	•		3,945		1	3,945	1	118	2	
Allegheny 75,800 - 75,800 - 22  Allegheny 8,028 - 8,028 - 53 3  Westmoreland 4,650 1154 - 4,804 - 145 2  Allegheny 9,794 9,794 - 193 4  Total - 237,696 833,614 75,807 - 1,147,117 - 213 256	Strip Permit No. 628-21	Westmoreland	1	•	63,929	-	1	63,929	1	288	11	-
Allegheny 8,028 8,028 - 53 3 3 Westmoreland - (4,650 1154 - 4,804 - 145 2 Allegheny - 9,794 9,794 - 193 4 10tal - 237,696 833,614 75,807 - 1,147,117 - 213 256		1	1	-	75,800		•	75,800	1		22	1
Allegheny 8,028 - 8,028 - 53 3  Westmoreland - 4,650 154 - 4,804 - 145 2  Allegheny 9,794 - 193 4  Total - 237,696 833,614 75,807 - 1,147,117 - 213 256	Stanley Construction											
Westmoreland       -       4,650       154       -       4,804       -       145       2         Allegheny       -       -       9,794       -       193       4         : Total       -       237,696       833,614       75,807       -       1,147,117       -       213       256	Special Project No. 463	Allegheny	1		8,028	•	1	8,028	1	53	n	
Allegheny - 237,696 833,614 75,807 - 1,147,117 - 213 256	Weinman Brothers											
Allegheny 9,794 9,794 - 193 4 - 10141 - 213 256	Strip Permit No. 1224-4A2	Westmoreland	•		4,650	154	1	4,804	1	145	2	
Allegheny 9,794 9,794 - 193 4	Wolf Run Road Coal Co.											
- 237,696 833,614 75,807 - 1,147,117 - 213	Strip Permit No. 1774-1	Allegheny			9,794	-		9,794	1	193	4	
73,970 033,014 73,007 - 1,147,117 - 2,13	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			202 766	000 617	700 37		1 17.7 117		213	256	
	DISCITCE TOCA	-		060,162	+10,000	100 11	1	7776/4767		CT 7	2	ı

(a) Permit has been backfilled and planted.(b) Inactive(c) Completed NO TE:

	• •		Produ	ction of Coa	Production of Coal & Coke - Net Tons	t Tons					
					: Coal Used	Coal					
	!	Shi	Shipped to Market	t	: Locally	Used in	Total	Total	: Aver-		Non-
		Rv	Rv	Bar	for	Manu-	Produc-	Produc-	age	No.	No. Fatal fatal
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	. Worked	Worked ploves dents	dents dents
Ankeny, Donald K. Strip Permit No. 287-9	Westmoreland		•	133 537			133 53%		228	30	
Avonmore Enterprises				10000	ı	ı	100,000		077	67	1
Strip Permit No. 1558-1(a) Bender Coal Co E.P.	Westmoreland		•	ı			1		25	2	
Strip Permit No. 593-18(b)	Westmoreland		•	5,834	,		5,834		200	2	1
bentley coal Co., Inc.	Loctonoman								-	ć	
Strip Fermit No. 930-11	Westmoreland		1			ı		,	(517	£ (	
Strip Fermit No. 938-11A	Mescmoreland		ı	5, Lb4			5, 164	1	( )	~ (	1
Strip Letint No. 200-12	Mesculotetaila			40,100			40,/30	ı	727	( o	1
Strip Permit No. 938-13	Westmoreland			5 676			7 676		103	<b>^</b> *	1 1
Total				27.2 27.8			2,070		777		
Bridge Coal Co.	1			0/0,00	•	1	20,270				
Strip Permit No. 481-1(a)	Westmoreland	•	•	,	,	,		•	6	7	1
Brown Coal Co., Inc., C.W.											
Strip Permit No. 273-4	Westmoreland		1	67,788	•	ı	67,788	1	274	15	1
C.F.S.C., Inc.				*			6				
Darmac Coal Inc	westmoreland			8,198		ı	8,198	ı	2.26	2	1
Strip Permit No. 1600-3 & 9	Westmoreland	•	,	180.768	•	,	180 768	,	307	15	
Don's Excavating							000			1	
Special Project No. 435	Westmoreland	,	•	7,515	•	,	7,515	1	125	9	1
Dunn, Alfred											
Strip Permit No. 491-1	Westmore Land		•	2,000		1	2,000	1	90	4	1
E & J Contracting Co.							•				
Strip Permit No. 1202-4	Westmoreland	ı	•	4,415	,	1	4,145	1	30	2	1
Eidemiller, Inc., Adam											
Strip Permit No. 578-23A	Westmoreland		•	•	1	,		1	32	(9	1
Strip Permit No. 578-30	Westmoreland	-	1	1	,	•	1	1	37	_	1
Total				•			1			9	-
Felton Enterprises, Inc.											
Strip Permit No. 1665-1	Westmoreland				493	1	493	1	110	3)	1
Strip Permit No. 1665-2	Westmoreland	ı		•	3,708	•	3,708	1	135	<u> </u>	1
Special Project No. 3//	Westmoreland		-		391		391	1	80		-
Total	-		-		4,592		4,592	-		3	

## District 34A

			Produc	100		-						
	1			ווחתתרדחוו חד החשד	ŏ	r lons						
		10	A COLUMN TO A COLU		: Coal Used	Coal	Ē	E				
	!	Surb	Shipped to Market		: Locally	nsed in	Total	Total	: Aver-		ĕ	Non-
	••	ŧ	6	ţ	: for	Manu-	Produc-	Produc-	age			fatal
Oneratore and Mines	County	By Bail	By	By	: Domestic	tacture	tion of Col	tion	Days	of Em-	acci- ad	acci-
Fiore Development Co.		4				2000	480	2000	TON TON	570763		delites
Special Project No. 638	Westmoreland			1,225		1	1,225	1	41	3)	,	
Special Project No. 706	Westmoreland	-	1	1,807			1,807	1	62	_	,	
Total			-	3,032	-	-	3,032	-		3		
Firestone Coal Co.												
Strip Permit No. 1556-2	Fayette	•	1	88,417	1	ı	88,417	,	120	11)	,	
Strip Permit No. 1556-3	Westmoreland	-	1	10,380	-	-	10,380	-	263	^	1	
Total		1	1	98,797	-	-	98,797	-		11		,
Gold Builders & Contracting, Inc.												
Strip Permit No. 1439-1	Westmoreland		•	30,584		1	30,584	,	247	3		
Hawk Contracting, Inc.												
Strip Permit No. 1259-4	Westmoreland	•	•		1	1			59	2		
Hustosky, John												
Strip Permit No. 398-3	Westmoreland	•			168		168	ı	109	1	ı	
Kowalski, Frank												
Strip Permit No. 592-2	Westmoreland	•	1	3,766	1	1	3,766		150	3)		
Strip Permit No. 592-6	Westmoreland	1	•	3,580		1	3,580	ı	145	_		
Strip Permit No. 592-8	Westmoreland	-	-	12,855	-	•	12,855	ı	160		1	1
Total			•	20,201			20,201	•		3		
Kravetsky, Charles												
Strip Permit No. 1223-7	Westmoreland	1	•	12,901	1	1	12,901	ı	180	2	ı	,
L & A Coal Co., Inc.												
Strip Permit No. 1901-1	Westmoreland	1	•	12,292			12,292	ı	91	en	,	
Lakeside Coal Co., Inc.												
Strip Permit No. 1365-2	Westmoreland	1	•	16,620			16,620	ı	175	3	•	
Strip Permit No. 955-2A & 2A2	Westmoreland	1		14,533			14,533	ı	145	·k		
Strip Permit No. 955-3 & 3A	Westmoreland	1	•	1,076		1	1,076		86	*	•	
	Westmore land		•	14,069	r		14,069	1	173	∞		
Strip Permit No. 955-4	Westmoreland	1		1,151			1,151	ı	7	*	•	
Strip Permit No. 955-5	Westmoreland	1	•	6,973			6,973	ı	170	7		
Strip Permit No. 955-6	Westmoreland			17,411			17,411	1	207	œ	1	1
Strip Permit No. 955-7	Westmoreland	100000	-	23,099	-	-	23,099	-	226	7	•	
Total		1	1	78,312	-		78,312	-		30	-	
Laurel Coal Co., Inc.							1		ì			
Lingenfelter, Robert E.	Westmoreland	1		1,92/	1	ı	1,927		9/	7	ı	
Special Project No. 723	Westmoreland	1	1	1,078	1	ı	1,078	ı	18	2	,	

			Produc	rion of Coal	Production of Coal & Coke - Not Tone	Tone						
					: Coal Used	Coal						
		Shipp	Shipped to Market		: Locally	Used in	Total	Total	Aver-		Z	Non-
	••				: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
		By	By	By	: Domestic	facture	tion	tion	. Days	of Em- acci- acci-	acci- a	-too
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents	dents d	dents
M & S Mining, Inc. Strip Permit No. 1001-2	Westmoreland	,	ı	16,003	350	1	16,353		250	7		1
MAC-MAR, Inc.				4			0		ľ	1		
Strip Permit No. 1761-1	Westmoreland			9,838			9,838		//	_		ı
Strip Permit No. 1761-1(c)	Westmoreland			22,510	1		22,510	ı	143	m .		ı
Strip Permit No. 1761~2	Westmoreland		-	11,587		-	11,587	1	162	ł		
Total			-	43,935	-	-	43,935			10	1	
Milrock Mining, Inc.												
Strip Permit No. 1721-3	Westmoreland		1	1			1	1	30	(9		1
Strip Permit No. 1721-3A	Westmoreland		-		-	-	-	1	189		1	
Total			1	1	1	-	-	-		9	,	
Negley Coal Co.												
Strip Permit No. 1467-3	Westmoreland		•	1,399	,	,	1,399	1	101	3		1
North Cambria Fuel Co.												
Strip Permit No. 10-38A3	Westmoreland	30,509	1	1		ı	30,509	ı	201	en -		ı
Strip Permit No. 10-45C	Westmoreland	74,296	1	1		ı	74,296	ı	266	9		ı
Strip Permit No. 10-47	Westmore Land		1	ı			1	ı	16	*		ı
Strip Permit No. 10-48	Westmorel and	21,626		1	ı	1	21,626	1	174	3	1	1
Special Project No. 551	Westmoreland	404			1	-	707	-	strak	**		
Total		126,835	1	1	1		126,835			12		
Old Home Manor, Inc.												
Strip Permit No. 615-7	Westmoreland	ŧ	1	1	1	1	ı	ı	19	k	ı	ı
Strip Permit No. 615-13	Westmoreland		•	1	1	1	1	ı	13	k ·	ı	ı
Strip Permit No. 615-17	Westmoreland			5,113		1	5,113	ı	93	k ·		ı
Strip Permit No. 615-21	Westmoreland		1	1	ı		ı	ı	73	k	1	ı
Strip Permit No. 615-24(a)	Westmoreland			1	1		ı	ı	14	×	ı	ı
Strip Permit No. 615-34	Westmoreland		1	7,651	1		7,651	ı	153	e		1
Strip Permit No. 615-35	Westmoreland		1	30,810	ı		30,810	1	211	12	ı	ı
Strip Permit No. 615-42	Westmoreland			13,411	1	1	13,411	1	149	11	1	ı
Strip Permit No. 615-44	Westmoreland	1	-	13,717	-	-	13,717	-	210	6		
Total		-	-	70,702	1	-	70,702	-		35	-	
Paulisick, Robert M.									Î	6		
Strip Permit No. 1446-1	Westmoreland	1		2,436	ı	ı	2,436	ı	176	2		1
Strip Permit No. 159-18	Westmoreland	1		2,544	1	1	2,544	ı	85	5)	ı	,

			Produc	Production of Coal	& Coke - Net Tons	t Tons						
						Coal						
	•••	Shir	Shipped to Market		: Locally	Used in	Total	Total :	Aver-		2	Non-
	•				: for	Manu-	Produc-	Produc- :	age	No.	Fatal fatal	atal
	••	By	By	By	: Domestic	facture	tion	tion :	Days	of Em-	acci-a	acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	Worked ployes dents		dents
Piccolomini, William (continued)	Lion two wolland			00%			00%		7	-		
Strip termit No. 150-20	Westmoreland			1 276		1	2,400	ı	/0	~ ^	ı	ı
	wes childrenand			1,3/0			1,3/0	-	40			•
Total	1	-	-	6,328	-		6,328			2		•
Folar Coal Co.		9					,					
Strip Permit No. 597-5	WestmoreLand	1,310		ı			1,310		70	3)		ı
Strip Permit No. 597-6A	Westmoreland	8,401					8,401	•	91	^		ı
Strip Permit No. 597-7	Westmoreland	2,104					2,104	•	27	^	ı	ı
Auger-BAM-796	Westmoreland	1,746		-	-	-	1,746	-	9	**		1
Total		13,561	1	,			13,561			۳		
R.J.R. Coal & Construction Co.												
Strip Permit No. 1888-1	Westmoreland	•		391			391	,	17	2		,
R & K Coal Co.												
Special Project No. 664	Westmoreland			4,515	1		4,515	1	125	9	,	,
R & L Development Co.												
Strip Permit No. 1237-3	Westmoreland			7,372	1	,	7,372	1	96	n	,	ı
Ramaley Equipment & Supply Co.												
Special Project No. 371	Westmoreland			16,147	1		16,147	ı	313	4	ı	ı
Shearer Development Corp.												
Strip Permit No. 1650-1	Westmoreland	•	•	7,566	1	,	7,566	ı	180	Э	,	ı
Smith, Victor P.												
Strip Permit No. 641-5	Westmoreland			4,088	•	•	4,088	1	147)	3)	,	ı
Strip Permit No. 641-7	Westmoreland	-	1	8,685	1		8,685	1		(		
Total				12,773	-	-	12,773	-		3		,
Smith & Son, Inc., Ralph												
Special Project No. 688	Westmoreland	•		3,333	144	ı	3,477	ı	48	n		
Smith's Blacktop Paving Co.												
Strip Permit No. 1268-4	Westmoreland			4,556	1	1	4,556		71	(4)		ı
Special Project No. 657	Westmoreland			3,039			3,039		52		-	۱.
Total				7,595			7,595	1		4	1	
Spec Coal Co.												
Strip Permit No. 1596-2	Westmoreland	'		293	1	1	293	1	18	1	ı	ı
286 Coal Co., Inc.	,						,		,			
Strip Permit No. 1371-4	Westmoreland			6,198		ı	6,198	1	141	n		,
Strip Permit No. 1132-2	Westmoreland	,	1	7,185	1	1	7,185	,	256	2	,	
Weimer, Daniel L.												
Special Project No. 705	Westmoreland		1	1,387	1		1,387		04	-		

			Prod	iction of Coa	Production of Coal & Coke - Net Tons	r Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market	5 t	: Locally	Used in	Total	Total :	Aver-		N	-uoN
					: for	Manu-	Produc-	Produc- :	age	No.	Fatal fatal	atal
Operators and Mines	County	By Rail	By Water	By Truck	: Domestic : Purposes	facture of Coke	tion of Coal	tion :	Days Worked	of Em- ployes	acci-	acci- dents
Western Pa. Coal Co., Inc., The Special Project No. 668	Westmoreland		1	5,485	ı	1	5,485	ı	160	2	1	
Zappone Construction Co. Strip Permit No. 1281-1	Westmoreland	1	•	39,101			39,106	-	250	9		-
District Total		140,396	ı	1,002,523	5,254	1	1,148,173	1	201	303	,	-
												11
NOTE: (a) Backfilling.	i i											
rermin is subleased to Contract stripped by Ar Men included with those	If County Coal Co., inc. m Coal Company. at other operations, sam	11 CO., Inc. 7. cations, same con	npany.									
** Contracted.												
				District 35								
B.H.&H., Inc. Strip Permit No. 617-15	Armstrong	1,847	1	24,695	ı	,	26,542	1	225	16	1	
Bartley, Carl & Jewel Strip Permit No. 1938-1	Armstrong	. 1		1 877	,		1 877	,	6.5	0		
Baughman Coal Co., Inc. R.D.	0									ı		
Strip Permit No. 151-69	Armstrong	2,689	•	1	1	1	2,689	1	120	- α		1
Stilp Fermit NO. 131-73 & //	Atmscroug	49,432					48,121		707	0 80		
Beckowitz, Thomas Strip Permit No. 1845-1	Armstrong		1	1,008		,	1,008	,	45	-	,	,
Bituminous International Corp.												
Strip Permit No. 1203-1 Auger-BAM-742	Armstrong	47,541			1 1		47,541	1 1	232	13		
Total	O WATER TO THE O	59,001		1	1	1	59,001	9		16	1	

			Product	ion of Coal	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci- acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents	dents
Black Gem Coal Co.												
Strip Permit No. 1533-1	Armstrong			1,720		ı	1,720	1	4	16)	1	1
Strip Permit No. 1533-2	Armstrong			55,653	•		55,653	ı	127			1
Strip Permit No. 1533-3	Armstrong			50,356	,	1	50,356		115	_	,	1
Strip Permit No. 1533-5	Armstrong	•	•	12,784			12,784	•	30	_	•	,
Strip Permit No. 1533-6	Armstrong		•	4,782	,	,	4,782	,	: ::	_	1	•
Auger-BAM-955	Armstrong			6,183		1	6,183	1	14	_	,	ı
Total				131,478		•	131,478			16)		-
Bowers Coal, Inc.												
Strip Permit No. 1744-1A1	Armstrong	•	•	181,029	•	1	181,029		240)	14)	ı	ı
Auger-BAM-929 & 949	Armstrong		1	19,058	•	-	19,058	-	^	^	1	1
Total				200,087	ı		200,087	-		14		
C & K Coal Co.												
Strip Permit No. 4-152	Armstrong	6,734		748		ŧ	7,482	1	148	9	,	ı
Carpentertown Coal & Coke Co.												
Strip Permit No. 184-4	Armstrong			1	ı	1	1	ı	156	3	f	1
Strip Permit No. 184-13	Armstrong		•	1,645		,	1,645	•	103	9	,	ı
Strip Permit No. 184-14	Armstrong			18,209		•	18,209	ı	217	7	,	ı
Strip Permit No. 184-15	Armstrong			42,473			42,473	1	217	10	,	2
Auger-BAM-895	Armstrong			2,071			2,071	,	22	( 7	1	ŧ
Auger-BAM-962	Armstrong		•	2,984	•		2,984	ı	20	_	1	ı
Auger-BAM-963	Armstrong			4,475		•	4,475	1	41	_	,	ı
Total				71,857			71,857			30		3
Cochran & Keller Coal Co., Inc.												
Strip Permit No. 1525-1A2	Armstrong	•		10,989		ı	10,989		220	4	ı	•
Darmac Coal, Inc.												
Strip Permit No. 1600-5 & 10	Armstrong			72,261			72,261	ı	251	14	ı	1
Strip Permit No. 1600-11 & 14	Armstrong	8		102,265			102,265	1	307	15	ı	ı
Auger-BAM-853	Armstrong	•	•	24,676		•	24,676	ŧ	142	3)	ı	1
Auger-BAM-970	Armstrong			6,457		-	6,457	t	35	(		1
Total				205,659	-	-	205,659	-		32	-	2
Daset Mining Corp.												
Strip Permit No. 1551-6 Davbrook Coal Co.	Armstrong	4,880	ı	22			4,902		93	5		ı
Strip Permit No. 1625-1	Armstrong	1	1	22,000	210		22,210	ı	181	6		1
Doverspike, Gary C. Strip Permit No. 1369-3	Armstrong	٠	٠	21 626			21 626	٠	312	٣		
חבוד יייי יייי לדום	Ormorron O			0706T7		1	41,044		717	)		

			Product	Production of Coal	& Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		Shin	Shipped to Market		: Locally	Used in	Total	Total	Aver-		No	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci-ac	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked	ployes	dents de	dents
Doverspike, Gary C. (continued)	Armetrono	1	٠	1.163	,	,	1.163	,	52	2		
Strip Permit No. 1369-5	Armstrone		•	32,004	,	•	32,004	1	234	2	,	1
Strip Permit No. 1369-6	Armstrong	•	,	3,113	1	1	3,113	1	26	*		1
Strip Permit No. 1369-9	Armstrong	1		10,773		,	10,773	1	286	3		1
Strip Permit No. 1369-11	Armstrong		-	1,711	-	-	1,711	1	52	3	,	۰
Total			-	70,390	1	-	70,390	-		16	-	
Eagle Mountain Coal Co.												
Strip Permit No. 1425-1	Armstrong		•	6,127	ı	ı	6,127		126	4		
H. & R. Coal Co.									,			
Strip Permit No. 995-4	Armstrong			37,115			37,115	ı	261	<b>4</b> í		
Strip Permit No. 995-/	Armstrong			4,538			4,538	ı	0/	()		
Strip Permit No. 995-12	Armstrong			18,118	-	-	18,118	-	110		-	.
Total			-	59,771	-	-	59,771	'		6		.
Harmon Coal Co.												
Strip Permit No. 514-6	Armstrong	20,679					20,679	1	241	4		ı
Strip Permit No. 514-13,15,19	Armstrong	7,449			ı		7,449		241	2		1
Strip Permit No. 514-20,21,22,23	Armstrong	24,476	•	1	1		24,476	1	241	4		1
Special Project No. 610	Armstrong	1,980		1	ı		1,980	1	22	·k	,	1
Auger-BAM-846	Armstrong	1,200	•	1	•	-	1,200	1	'	·k		
Total		55,784	1	1	1	-	55,784	-		10	-	1
Houser, Earl												
Strip Permit No. 163-1	Armstrong		1	2,000			2,000	1	45	2)	,	1
Strip Permit No. 163-3	Armstrong		-	813	-	-	813	-	32			١
Total			•	2,813	-	-	2,813	-		2		
Houser Coal Co., Inc., Walter L.	\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			2000			200		0.7	c		
Strin Downit No 56/-19	Ametrone			27. 200			2,000	ı	0 %	<b>1</b> c		1
Strip Permit No. 564-22	Armstrong		٠ ،	15,203			15 879		240	٦ ،		1 1
1000	0			7.9 210			4.5 4.19			11		
				42,317	·	1	1					
Strip Permit No. 1274-3												
(Harmon-Dayton)	Armstrong	857	,	1	1		857	ı	28	*	,	ı
Strip Permit No. 1274-3(Snyder)	Armstrong	46,742		7,805			54,547	ı	236	31	ı	5
Strip Permit No. 1274-3A(Moore)	Armstrong	40.553	ı	230	ı		40,783	ı	206	. 18		ı
Stilp termit NO. 12/4-11	ALIIISLIOUS	200617		1,023			19,388	•	107	k		.
local		102,/1/	-	9,858	-	-	115,575			64		2

			4000	100 of 0001	Decision of Cold Cold Mark Target	E						
			Froance	TOU OF COAL	& coke - Nei	Tous						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Z	Non-
		••			: for	Manu-	Produc-	Produc-	: age		Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion			acci- a	acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	ployes	dents d	dents
Kent Coal Mining Co.				1			1		(	`		
Strip Permit No. 482-12 Refuse Markle-Bullers Coal Co.	Armstrong			72,590	ı	ı	72,590		208	97	ı	
Strip Permit No. 504-26(a)	Armstrong		•	,	,	,	,	,	73		,	,
Strip Permit No. 504-27 & 46	Armstrong	27,760		3,092	,	,	30,852	,	249	12		1
Strip Permit No. 504-40(a)	Armstrong				,			•	112	*	,	
Strip Permit No. 504-43(a)	Armstrong	•		•			1	•	89	*	,	
Strip Permit No. 504-48	Armstrong	•	•	3,187	,	,	3,187	1	43	*		
Strip Permit No. 504-52	Armstrong			. '		•	. '	1	11	*	,	
Total		27,760		6,279			34,039			15		-
Martin Coal Co., James E.												
Strip Permit No. 419-4	Armstrong	3,331					3,331	•	152	3	,	
Strip Permit No. 419-6	Armstrong	6,429		ı	•		6,429	ı	187	7	,	
Strip Permit No. 419-7 & 13	Armstrong	49,211		1	,		49,211	,	249	12	,	
Strip Permit No. 419-11	Armstrong	•	•	•	,		. '	ı	114	3	,	
Strip Permit No. 419-12	Armstrong	10,807			1		10,807	,	162	3	,	
Auger-BAM-981	Armstrong	3,525					3,525	ı	(P)	(p)		,
Auger-BAM-982	Armstrong	5,036		1	,		5,036	ı	(b)	(p)	1	
Auger-BAM-998	Armstrong	394		,	•	•	394	1	(q)	(p)	,	
Total	•	78,733		1			78,733	1		25	-	
Mauersberg Coal Co.												
Strip Permit No. 344-25	Armstrong	•	•	18,070	ı	1	18,070	•	238	6		1
Strip Permit No. 1826-1	Armstrong	٠		17 062	,		17 062	,	220	7		
Monroe Contract Corp.	0			700617			700677		277	+		
Strip Permit No. 1137-1(c)	Armstrong	•	,	1	•		1	1	90	3	,	,
Oak Tree Coal Co.												
Strip Permit No. 1695-7	Armstrong			72,561	,		72,561	•	285	7	ı	
Strip Permit No. 1695-10	Armstrong	-	•	25,550	-	-	25,550	1	285	2		
Total				98,111		1	98,111	•		6		.
P & N Coal Co., Inc.												
Strip Permit No. 32-90	Armstrong	3,216		2,351	•	•	5,567	•	213	c		
K.E.M. COMI CO., INC. Strip Permit No. 932-24	Armstrone	26.311	•	10, 149	,	1	36.460	•	966	9	,	_
Ratay Coal, Inc.	0						600		ì	,		,
Strip Permit No. 1679-1	Armstrong		•	36,920	1		36,920	•	279	11)	1	ı
Strip Permit No. 16/9-2	Armstrong			55,915 00 825			00,910		7/0	=	. .	. .
דסרמז				20,027			000,00			11		1

			Producti	on of Coa	Production of Coal & Coke - Net Tons	Tons						
					: Coal Used	Coal						
		: Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	of Coke : Worked ployes dents dents	ployes	dents	dents
Reddinger, Terry												
Strip Permit No. 314-3:	Armstrong	49,857		1			49,857	ı	296	10		7
Strip Permit No. 314-33	Armstrong	35,051		,			35,051	ı	296	3		1
Strip Permit No. 314-36	Armstrong	3,578		1			3,578	1	200	e		1
Strip Permit No. 314-37	Armstrong	56,868		1			26,868	ı	296	7	,	
Strip Permit No. 314-38	Armstrong	59,048		1	,		59,048	1	296	9	,	ı
Strip Permit No. 314-39	Armstrong	41,597		1	1		41,597	ı	296	7	ı	1
Strip Permit No. 314-42	Armstrong	12,494	•	1	1	-	12,494	-	296	4	1	1
Total		258,493	•	-	1	-	258,493	1		07	1	-
Reesman, Gene N.												
Strip Permit No 1932-1 Valley Coal Co.	Armstrong	1	1	13,456		1	13,456		110	4	ı	ı
Strip Permit No. 1353-1	Armstrong		•	1,220	1	1	1,220	,	171	9		1
Strip Permit No. 1353-2	Armstrong		•	46,433			46,433	1	262	9	,	1
Auger-BAM-845	Armstrong			3,910	•	1	3,910		5	3)	ı	,
Auger-BAM-993	Armstrong		1	6,209	1	1	6,209	'	20		,	
Total			1	57,772	1	1	57,772	1		15	,	

\* (c) (a) NO TE:

16

10 426

100 227

7,897 1,933,077

210

676,597

District Total

Armstrong

W. & M. Coal Co. Strip Permit No. 787-3

7,897 1,256,270

Backfilled and completed.
Augering was contracted.
Backfilling.
Men included with those at other operations, same company.

## District 35A

			Product	Production of Coal	L & Coke - Net Tons	t Tons						
						Coal						
		Shi	Shipped to Market		: Locally	Used in	Total	Total	Aver-			Non-
		p	. d		for	Manu-	Produc-	Produc-	age	No.		fatal
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked		dents	accı=
A & C Coal Co., Inc.												
Altmire Bros. Coal Co Inc.	Armstrong	'	'	12,608	•	•	15,808		19	n		ı
Strip Permit No. 29-18	Armstrong	•	,	25,271	,	•	25.271	,	79	5	,	,
B & G Construction Co., Inc.	)									•		
Strip Permit No. 25-5	Armstrong		,	,			1	,	106	3)	1	,
Strip Permit No. 25-7	Armstrong		,	15,330		,	15,330	1	139	^	1	,
Strip Permit No. 25-14	Armstrong	99,952	-	62,855	•	•	162,807	-	244	15		
Total		99,952		78,185	1	-	178,137	-		18		
Bryar Construction Co.							1					
Strip Permit No. 3/2-2(a)	Armstrong			10,649		•	10,649		192	9	ı	1
Strip Permit No. 4-121	Armstrone	41.465	,	4.607	,	,	720 97	,	238	(76		
Strip Permit No. 4-151	Armstrong	9,566	•	1.063	,	,	10.629	,	118	+	,	
Strip Permit No. 4-173	Armstrong	18,532	•	2,059	•		20,591	•	06	_	,	,
Total	0	69,563		7,729		-	77,292			24		
Cotterman, W.A.												
Strip Permit No. 603-16 & BAM 1006	6 Armstrong		•	42,906		1	42,906	,	244	12	,	1
Daset Mining Corp.												
Strip Permit No. 1551-1(a)	Armstrong			4,977			4,977	•	51	4	ı	
Strip Permit No. 1551-4(a)	Armstrong			14,000	1		14,000	ı	258	10	1	1
Strip Permit No. 1551-4A(a)	Armstrong	1		14,395		-	14,395	'	213	9		
Total			•	33,372	-	-	33,372	'		20	,	-
Erdley Bros. Construction Co.												
Strip Permit No. 1390-4 & 4A(a)	Armstrong			18,597			18,597		114	2	1	
Strip Permit No. 1259-3(a)	Armstrone	٠	•	13.237	,	•	13,237	,	108	16)	,	_
Strip Permit No. 1259-13	Armstrong		•	28,273	•	,	28,273	1	77		,	
Strip Permit No. 1259-16	Armstrong		,	4,349	1		4,349	'	206	_	,	,
Total	)			45,859	1		45,859			16	,	-
Kent Coal Mining Co.												
Strip Permit No. 482-5	Armstrong	83,354	•	3,247			86,601	1	92	19	ı	7
Strip Permit No. 482-8(b)	Armstrong	110,813		1,982			112,795		115	16	,	
Strip Permit No. 482-9	Armstrong	110,955		24,463			135,418	ı	189	01	1	1
Strip Permit No. 482-13	Armstrong	194,/6/		7,084			71 257	ı	180	N 1	1	
	Armstrong	41,35/				2	41,337		90	k		.
Vravetsky Charles		541,246		31,776	-	-	573,022			63		-
Strip Permit No. 1223-1	Armstrong	•	•	11.272	216	,	11,488	,	228	2	1	1
Strip Permit No. 1223-4	Armstrong		,	11,165	1	,	11,165	1	192	2	1	ı

			Produc	Production of Coal	& Coke - Net Tons	Tons						
			3	100 10 1012		Cont			٠,٠			
		Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	fata1
M. M. M.	3	By By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci-	acci-
Kravetsky, Charles (continued)	country	. Nait	waret	TLUCK	rarposes	or coke	or coar	or coke	: worked	worked ployes dents	dents	dents
Strip refuit NO: 1223-12 Total	Armstrong			22.437	216	. .	22.653	. .	47	4	٠ .	. .
Strip Permit No. 1365-6	Armstrong		•	5,680		•	5,680		93	3		1
M L & E, Inc. Strin Permit No. 1924-1(a)	Armstrono		•	4.728			4.728		4.1	7	,	,
Manor Minerals, Inc.	911073			6			27.6		ŕ	۲		
Strip Permit No. 333-5	Armstrong	1		744		1	744	,	9	(4)	,	,
Strip Permit No. 333-6	Armstrong	-	-	1,582	-	-	1,582	1	6	$\widehat{}$		-
Total			-	2,326	•	•	2,326	1		4	1	•
McIntire Coal Co., William J.												
Strip Fermit No. 638-4(a)	Armstrong	•	• •	13,194	• 1		13,194		205	(†		1 1
	ALMS LIOIIS			75.00			2,007			1		
Mears Coal Co.				167,421	•	•	167,727			4		
Strip Permit No. 1670-2	Armstrong	•		7,065		1	7,065		219	e	,	
Nicholson Run Coal Co.	•			6			•		,	•		
P & I. Coal Co. Tro.	Armstrong	•	•	1,030		•	1,030	•	9	07		ı
Strip Permit No. 115-6(c)	Armstrone	•	•	1	,	1	1		97	5)	٠	,
Strip Permit No. 115-7	Armstrong			12,656	•	,	12,656	1	147		,	,
Total	)			12,656			12,656			5		-
Rob Coal Co.												
Strip Permit No. 542-9A2	Armstrong	•		32,838			32,838	1	227	10	ı	1
Auger-BAM-961	Armstrong		-	4,873	-	-	4,873	-	*			
Total		-		37,711			37,711	'				-
S & S Coal Co., Inc.				;			;		1	,		,
Strip Permit No. 1577-2	Armstrong			91,532	ı		91,532		252	12	ı	-
Snyder Co., C. H. Strin Permit No. 1103-1	Armstrone	786 286	١	,	•	,	46.286	,	213	6	,	
Strip Permit No. 1103-2	Armstrong	34,653	•	,	,	,	34,653	ı	173	10	,	ı
Strip Permit No. 1103-3	Armstrong	63,836	ı	1	1	1	63,836	1	170	*		-
Total		144,775		1	•	-	144,775	1		19	'	
State Industries, Inc. Strip Permit No. 435-11	Armstrong	٠	,			•	٠	,	30	4	,	ı
	)								e.			

# District 35A

			: Shipped to Market		••	Operators and Mines County : Rail Water	Mining Corp.	Strip Permit No. 68-23 Armstrong 15,848 -		mit No. 68-37 Armstrong 32,397 -	mit No. 68-38 Armstrong -	Total 48,245 -	Yates Bros. Coal Co. Strip Permit No. 1351-3(a) Armstrong	District Total 903,781 -
1 - 0 9	Froduction of coal & coke - Net tons		ket		By	Truck		14,367	. '	55,739	. •	70,106	3,089	591,291
	& Coke - Nei	: Coal Used	: Locally	: for	: Domestic	: Purposes		,		•	•			216
	COURS	Coal	Used in	Manu-	facture	of Coke		1	,	•	•			
			Total	Produc-	tion	of Coal		30.215		88,136		118,351	3,089	1,495,288
			Total : Aver-	Produc- :	tion	of Coke		,	,	,				,
			: Aver-	326	Days	. Worked		302	110	303	39		80	217
				No.	of Em-	nloves	22/22	17	i m	12	*	32	-1	289
			Non-	Fatal fatal	of Em- acci- acci-	of Coke : Worked nloves dents dents	200	-	1	1	1	-		7 -

Information taken from monthly reports as no Annual Report was submitted for this operation. All stripping done as of October 11, 1979, backfilling to date.

Backfilling.

Men included with those at other operations, same company. (a) (c) \* \* NOTE:

Contracted.

				District 36								
Allegheny Mineral Corp. Strip Permit No. 571-6 Ancient Sun. Inc.	Clarion	11,013	1			1	11,013	•	85	80		1
Strip Permit No. 1186-7 Strip Permit No. 1186-90	Clarion			25,581			25,581		140	7	1	
Total		1	-	27,663			27,663		160	4		
Baughman Coal Co., Inc., R. D. Strip Permit No. 151-64	Clarion			3,161			3,161		117	4		
Strip Permit No. 151-71	Clarion		•	. •	•	•	. '	•	57	*	•	
Strip Permit No. 151-75	Clarion				•	•			18	*	ı	
Strip Permit No. 151-76	Clarion	22,018	-	1,357	-	•	23,375	1	221	2	1	
Total		22,018	1	4,518	-	-	26,536			6	-	-
Blackhawk Coal Co. Auger-BAM-869 C & K Coal Co.	Clarion	10,489	•	•		•	10,489	1	243	7		
Strip Permit No. 4-93	Clarion	26,151	1	2,906			29,057	1	238	20	1	

			Produc	Production of Cost	A. Cobe - Not	Tano						
			7 7000	בדמון מד ממשד	C CONE INC	1 10						
		. Chin	Chinnod to Mouleot		: Coal Used	Coal					:	
		THE	bed to Market		Locally	used in	Total	Total	: Aver-	:	Ž	Non-
			,	ś	: ror	Manu-	-Lognc-	-supord	: age	No.	Fatal fatal	atal
Orosophosophosophosophosophosophosophosop	2000		By	By	: Domestic	tacture	tion	tion	: Days	of Em.	of Em. acci- acci-	cci-
C & K Coal Co. (continued)	country	TIRU .	Water	TENCK	: rurboses	OI COKE	or coar	o Coke	: worked	worked ployes dents dents	dents d	ents
Strip Permit No. 4-114	Clarion	485,537	•	53,949		,	539,486	,	356	36		H
Strip Permit No. 4-117	Clarion	28,197	•	3,133			31,330	,	236	*		-
Strip Permit No. 4-130	Clarion	905,9	•	723	•		7,229	1	30	*		
Strip Permit No. 4-134	Clarion	78,643	•	8,738			87,381	1	356	24		1
Strip Permit No. 4-137	Clarion	89,034	•	9,893			98,927	•	356	30		1
Permit No.	Clarion	28,862	•	3,207			32,069	1	208	*	,	1
Strip Permit No. 4-145	Clarion	38,135	•	4,237			42,372	•	268	19		
Strip Permit No. 4-157	Clarion	78,775	•	8,753	•		87,528		356	24		1
	Clarion	46,196	•	5,133			51,329	,	238	*		,
Strip Permit No. 4-164	Clarion	51,287	•	5,699			56,986	,	356	24		
	Clarion	66,534	1	7,393			73,927	,	209	*	ı	,
Strip Permit No. 4-166	Clarion	68,375		7,597			75,972	•	298	28		
Strip Permit No. 4-174	Clarion	8,119	•	902			9,021	1	87	*		1
Strip Permit No. 4-181	Clarion	11,846	-	1,316	-		13,162	,	58	*		
Total		1,112,197	1	123,579			1,235,776			205	1	7
Chernicky Coal Co., Inc.												
Strip Permit No. 1423-19	Clarion	23,905	•	4,553			28,458	•	9	6		
Clarion Fossil Fuels Corp.												
Strip Permit No. 1408-3	Clarion		•	7,305			7,305		263	9		,
Strip Permit No. 1408-6	Clarion	089*9	•	13,978		•	20,658	1	263	00		1
Strip Permit No. 1408-8	Clarion		-	16,850	-	1	16,850	-	263	9		
Total		089 9	٠	38,133		-	44,813	1		20		1
Colt Resources, Inc.												
Strip Permit No. 1171-6	Clarion			67,750	•	•	67,750	,	301	7		
Strip Permit No. 1171-11	Clarion	•						•	65	k		
Strip Permit No. 1171-15	Clarion	-	•	25,900			25,900		125	4		
Total			1	93,650			93,650			11		
Cotterman, W. A.												
Strip Permit No. 603-14A5(a)	Clarion		•						104	2		,
Dean Contractor, Inc., Ernest C.												
Strip Permit No. 379-36	Clarion		•			•		1	66	4		,
Strip Permit No. 379-45	Clarion	606	•	1,548			2,457		122	10	ı	
Strip Permit No. 379-46	Clarion	1,226	•	2,087		1	3,313	1	43	24	1	1
Strip Permit No. 379-49	Clarion	405	•	069	•	-	1,095	'	23	9		
Total		2,540	1	4,325	-	-	6,865	•		44		

			Produc	tion of Coal	Production of Cost & Cake - Not Tone	TORD						
			777	רדוו ווי מי ממי	מ מסצם ואת	10115						
			A Property		: Coal Used	Coal	,	,				
		Sulp	onipped to market		: Locally	Used in	Total	Total :	Aver-			Non-
		••			: for	Manu-	Produc-	Produc-:	age	No.	Fatal fatal	fata
		By	By	By	: Domestic	facture	tion	tion :		of Em-	acci- acci-	acci
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke:	Worked ployes	ployes	dents dents	dent
Deitz, Donald w.												
Strip Permit No. 1270-3	Clarion	1		10,994	1		10,994	1	120	<sub>∞</sub>	,	1
Strip Fermit No. 1270-8	Clarion	6,358	,	902	1		7,064	1	30	**	,	ı
Strip Permit No. 1270-9	Clarion	•	•	322		,	322	,	40	0	,	
Strip Permit No. 1270-10	Clarion		1	429	,	,	429	1	20	2	,	1
Total		6,358	1	12,451	-	-	18.809			12		
Doverspike, Gary C.												
Strip Permit No. 1369-12	Clarion	•	,	17,137	,	1	17,137	,	156	7	,	1
Equitable Coal Co.												
Strip Permit No. 1253-1	Clarion		1	929		,	929	1	16	3	ı	1
Fagley, Robert L.												
Strip Permit No. 1289-3	Clarion	•		7,490		,	7.490	,	175	7		ı
Strip Permit No. 1289-3A	Clarion	1	,	7,500	,	,	7,500	1	205	- 2	1	1
Strip Permit No. 1289-6	Clarion	1	•	1,875	,	,	1,875	1	20	*	,	ı
Strip Permit No. 1289-7	Clarion	-		1,880		,	1,880	1	30	*		1
Total			1	18,745		-	18,745	-		6		١.
H & G Coal & Clay Co., Inc.												
Strip Permit No. 75-33	Clarion	1	•	2,500	•		2,500	1	97	(7)	,	
Strip Permit No. 75-36	Clarion	•	,	2,900	,	,	2,900	,	57		,	ı
Strip Permit No. 75-38	Clarion		1	14,300		,	14,300	1	150		,	1
Total			•	19,700			19,700			4		
Hawk Contracting, Inc.												
Strip Permit No. 1259-19	Clarion		ı	151,304		1	151,304	,	251	33	ı	ı
Strip Permit No 1476-4	Clarion	30 513	1				30 513		175	c		
K.I.T. Industries	107 1870	00,000	1	ı	•		20,313	ı	1/3	v.		ı
Strip Permit No. 1417-6&8	Clarion	•	ı	30,042	,	,	30,042	1	235	٣	,	,
ucinda Coal Co., Inc.												
Strip Permit No. 1015-4	Clarion		,	15,585	1	,	15,585	ı	257	5	,	1
fauersberg Coal Co.												
Strip Permit No. 344-29	Clarion		1	1,550	,		1,550	1	52	*	1	ı
Strip Permit No. 344-36	Clarion	1		17,200		1	17,200		265	7		ı
Strip Permit No. 344-37	Clarion	1	•	1,390			1,390		92	*	ı	ı
Strip Permit No. 344-39	Clarion			34,300	1		34,300		289	6	,	ı

			Produc	Production of Coal & Coke - Net Tons	& Coke - Ne	Tons						
					Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		Nor	Non-
					: for	Manu-	Produc-	Produc-		No. F	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion		Days	of Em- a	acci- acci-	ci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes d	ents der	ents
Mauersberg Coal Co. (continued)	Clarion	,	1	26,380	,		26,380	1	275	7	ı	-1
Strip Permit No. 344-41	Clarion	•	1	8,845	,	1	8,845	1	171	*	ı	1
Strip Permit No. 344-44	Clarion		,	43,740	ı	ı	43,740	1	302	11	ı	1
Total				133,405		-	133,405	-		34	1	1
Mays Coal Co.												
Strip Permit No. 210-4A8	Clarion	•	ı	11,894	ŧ	1	11,894	1	126	3)		ı
Strip Permit No. 210-4A10	Clarion	1	-	16,821	•	-	16,821	1	181			1
Total			1	28,715	1		28,715	'		3	-	1
Miles Coal, Clyde												
Strip Permit No. 509-12	Clarion	*	1	37,351		t	37,351	1	267	6		ı
Miles Coal Co., Steven C.												
Strip Permit No. 1290-1	Clarion		1	36,261			36,261	ı	267	6)	1	ı
Strip Permit No. 1290-2	Clarion	1000	1	37,972	1		37,972	'	267		1	1
Total			-	74,233	1	•	74,233	'		6	-	
R. E. M. Coal Co., Inc.												
Strip Permit No. 932-12A	Clarion	28,796	1	4,494		1	33,290	1	296)	7)		ı
Strip Permit No. 932-18A	Clarion	14,654	•	t	t	ŧ	14,654	ı	^	^		1
Strip Permit No. 932-20	Clarion	13,004	•	1			13,004	1	296	4		1
Strip Permit No. 932-25	Clarion	20,032	1	16,311	-	-	36,343		296	8		-
Total		76,486	•	20,805	1	1	97,291	-		19	1	1
Reddinger, Terry												
Strip Permit No. 314-29	Clarion	17,494	,	1	1		17,494	ı	173	7		1
Strip Permit No. 314-34	Clarion	21,719		1		1	21,716		296	Υ.	ı	1
Strip Permit No. 314-40	Clarion	45,453	•	•			45,453	1	296	2	ı	1
Strip Permit No. 314-43	Clarion	65,893	-	-	-	-	65,893	'	296	7		1
Total		150,559		1	t	1	150,559	1		19	1	1
Reichard Paving & Excavating, Gene												
Strip Permit No. 606-3	Clarion		1	17,630	t	ı	17,630	t	509	m	1	1
Ridgeview Coal Co., Inc.	Clarion	٠	ı	93,320	1	1	93,320	,	160	12	1	- 1
Shaffer Mining Corp.	10110											
Strip Permit No. 1581-3	Clarion	ı	ı	14,434		ı	14,434	ı	140	4	1	1
Strip Permit No. 1204-3	Clarion	67,415	ı	7,491	ı	1	74,906	1	325	22	ı	1

			Produc	Production of Coal	& Coke - Not Tone	Tone						
					11000	1000						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		N	Non
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
	,	: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	of Em- acci- acci-	cci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	ployes	ployes dents dents	ents
Shannon Coal Co. (continued)		100		0.1			101		1,00	0		
Strip Permit No. 1204-5	Clarion	234,991		70,110			101,102		707	97	ı	_
Strip Permit No. 1204-9	Clarion	125,552		13,950			139,502	ı	356	*	ı	ı
Strip Permit No. 1204-12	Clarion	95,902		10,656	ı		106,558	1	208	32	ı	
Strip Permit No. 1204-14	Clarion	20,704		2,301		,	23,005	1	238	*	,	,
Strip Permit No. 1204-20	Clarion	7,360	•	818			8,178	1	89	*	,	7
Strip Permit No. 1204-24	Clarion	90,929		10,103		,	101,032	,	356	22		,
Strip Permit No. 1204-25	Clarion	54,733	•	6,081		,	60,814	1	356	18	,	,
Strip Permit No. 1204-26	Clarion	2,173		241	1	,	2,414	1	30	*		,
Strip Permit No. 1204-27	Clarion	145,339	•	16,149	1	,	161,488	1	326	32	,	
Strip Permit No. 1204-28	Clarion	38,015	•	4,224			42,239	1	267	20	,	
Strip Permit No. 1204-29	Clarion	45,874	•	5,097			50,971	1	238	*	,	
Strip Permit No. 1204-30	Clarion	28,827	•	3,203			32,030	1	148	*		
Strip Permit No. 1204-31	Clarion	32,206	•	3,579	1	•	35,785	1	148	*		
Total		990,020		110,003			1,100,023			174		2
Siegel, Thomas E.												
Strip Permit No. 1210-4	Clarion	1		9/			9/	1	123	2	,	
Strip Permit No. 1210-7	Clarion	•	•	18,317			18,317	-	183	2		۰
Total			-	18,393	-	1	18,393	1		4		٠
Siegel Coal Co., Harold A.												
Strip Permit No. 8-19	Clarion	1		5,572	ı	•	5,572		38	*	1	ı
Strip Permit No. 8-21	Clarion	٠	•	53,241			53,241		240	18		ı
Strip Permit No. 8-22	Clarion	-	-	21,414	-	1	21,414	1	278	8	-	
Total			•	80,227	1	1	80,227	'		26		
Snyder Coal Co., Thomas									,			
Strip Permit No. 1897-1	Clarion			3,120	ı	ı	3,120		20	2	ı	ı
Stahlman Coal Co., Inc., W. P.	,						000		000	1		
Strip Permit No. 9-45	Clarion	55,428					07,470	ı	222	77		
Strip Permit No. 9-49	Clarion	17,967					17,96/		1/	K (		ı
Strip Permit No. 9-56	Clarion	146,118					146,118	ı	355	23	1	
Strip Permit No. 9-61	Clarion	18,661					18,661	ı	147	1		ı
Strip Permit No. 9-150	Clarion			-	-	-		'	68	*	-	
Total		238,174	-	•	1	-	238,174	-		51	1	
Vendale Coal Co., Inc.				6			000		0 7	c		
Strip Permit No. 1837-1	Clarion			6,202			6,202		20	7	ı	ı
w. c.m. coar co.	Clarion			10,300	,	•	10,300	•	205	5		

			Produ	ction of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market	it.	: Locally	Used in	Total	Total	: Aver-		Z	Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	cci-a	cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	: Worked ployes dents dents	ployes	lents d	ents
White Coal												
Strip Permit No. 1503-1	Clarion	•	1	1,621		1	1,621	•	69	2		
Strip Permit No. 1503-4	Clarion	•	1	21,498	,		21,498	1	246	4	1	
Strip Permit No. 1503-5	Clarion		1	11,066	-	-	11,066	-	112	٣	,	1
Total			1	34,185	•	•	34,185	١		6		
Wilson, John N.												
Strip Permit No. 502-6	Clarion	1	1	8,414	•	•	8,414	1	160	2	1	1
Wyant Coal Co., R.E.												
Strip Permit No. 1334-1	Clarion	•	1	5,908	1	•	5,908	1	211	2	1	
Yates Bros. Coal Co.												
Strip Permit No. 1351-5(b)	Clarion		•	18,608	•		18,608		121	2	ı	
Zacherl Coal Co.												
Strip Permit No. 73-21	Clarion	•	1	•	•	•	•	1	125	*	ı	,
Strip Permit No. 73-24	Clarion		1	1,498		1	1,498	1	306	2	,	
Strip Permit No. 73-28&29	Clarion		1	56,535	,	1	56,535	1	306	80	,	
Strip Permit No. 73-30	Clarion		1	3,681	,	1	3,681	1	256	2	ı	
Strip Permit No. 73-33	Clarion		•	29,666	1	1	29,666	1	306	8		
Total			1	121,380	1	1	121,380	1		23	1	
District Total		2,680,952	1	1,398,947	1	ı	4,079,899	1	290	821	ı	11

NOTE:

Backfilling. Information taken from monthly reports as no Annual Report was submitted. Men included with those at other operations, same company. Men included with those at C & C Coal Company operations. (a) (b) \* ‡

	•	
	1	1 1
	∞	* 22
	140	120 356
		1 1
	43,768	45,628 89,894
		1 1
		1 1
district 37	43,768	4,563
II)		1 1
	,	41,065 80,905
	Clarion	Clarion
	Ancient Sun, Inc. Strip Permit No. 1186-6 C & K Coal Co.	Strip Permit No. 4-98 Strip Permit No. 4-132

			Product	Production of Coal	& Coke - Net Tons	Tons						
					Coal Used	Coal						
		Ship	Shipped to Market		Locally	Used in	Total	Total :	Aver-		Non-	-uc
	••	(	,		for	Manu-	Produc-	Produc- :	age	No. I	Fatal fatal	tal
Operators and Mines	County	By Rail	By Water	By Truck	Domestic	facture	tion of Coal	tion :	: Days of Em- acci-	of Em- a		acci-
C & K Coal Co. (continued)				4	22000	2000	01 0001		WOT NE	proyes		Sucs
Strip Permit No. 4-135	Clarion	68,962		7,663	•	1	76,625	ı	356	24	'	,
Strip Permit No. 4-147	Cla rion	2,606	•	290	•	1	2,896	ı	30	*	1	ı
Strip Permit No. 4-156	Clarion	32,456	•	3,606		1	36,062	ı	178	-jk		ı
Strip Permit No. 4-163	Clarion	92,217	•	10,246	•		102,463	ı	356	56		ı
Strip Permit No. 4-168	Venango&Butler			18,774		,	187,744	1	356	32	,	,
Strip Permit No. 4-169	Venango	19,689	•	2,188	•	1	21,877	•	118	*		ı
Strip Permit No. 4-180	Venango	45,952	•	5,106	-		51,058	•	148	*		1
Total		552,822	-	61,425	•	1	614,247	1		104	-	-
Chernicky Coal Co., Inc.												
Strip Permit No. 1423-14 & 14A	Clarion	29,093		5,541			34,634		324	œ		ı
Strip Permit No. 1423-15	Clarion	39,567		7,537			47,104	ı	324	9		ı
Strip Permit No. 1423-16	Clarion	74,056		19,452			33,508	1	324	10		ı
Strip Permit No. 1423-22	Clarion	6,992	-	1,332		'	8,324	'	86	7	'	
Total		149,708	•	33,862	1	1	183,570			31	•	,
Chutz Coal Co.												
Strip Permit No. 650-8(a)	Venango			47,710			47,710	ı	198	12	1	ı
Cotterman, W. A.												
Strip Permit No. 603-15(b)	Venango	1		2,320			2,320	1	173	9	-	_
Equitable Coal Co.												
Strip Permit No. 1253-5(a) FW & RR, Inc.	Venango	1	1	8,911		ı	8,911	ı	59	12		
Strip Permit No. 1547-4A	Venango	ı		37,382			37,382		256	2		ī
Gracial Minerals, Inc.												
Strip Permit No. 1257-1	Clarion	18,461			,		18,461	•	156	=======================================	1	ı
Strip Permit No. 125/-9	Clarion	60,611					60,611	1	180	12	1	ı
	Clarion	36,959		•	•		36,959		204	10	1	ı
	Clarion	2,016		•	1	•	2,016	ı	48	9	1	ı
Permit No.	Clarion	55,278			1		55,278	1	216	œ	1	ı
Permit No.	Clarion	123,033		•			123,033	1	288	23	1	1
Permit No.	Clarion	18,858	•	•	,		18,858	1	132	9	1	ı
Permit No.	Clarion	123,672			•		123,672	1	144	12	1	ı
Permit No.	Clarion	15,514			•		15,514	1	108	*	1	ı
Permit No.	Clarion	32,221		•	•	1	32,221	1	96	10	1	ı
	Clarion	10,632			•	1	10,632	1	84	÷	1	ı
Permit No.	Clarion	4,039			•		4,039	1	24	00	1	1
Strip Permit No. 1258-24	Clarion	1,208	•	-	'	'	1,280	1	12	*	-	٠
Total		502,574	-	-	1	1	502,574	1		106	1	

			O so	100 30 0011	Dandington of Dang 1 Colon Mat Trans	E						
			nno11	1 1011 OI COM	Coal Head	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		N	Non-
			1	1	: for	Manu-	Produc-	Produc-		No.	Fatal fatal	atal
Operators and Mines	County	: By : Rail	By Water	By Truck	: Domestic : Purposes	facture of Coke	tion of Coal	tion of Coke	tion : Days of Em-acci-acci- of Coke : Worked nloves dents dents	of Em- acci- acci-	acci- ac	cci-
Henry, Lester C.										20101	20102	21112
Strip Permit No. 1816-1	Clarion			17,661		ı	17,661		194	9		ı
Strip Permit No. 1816-2	Venango		•	17 863	-	-	202		22	- -		
Tack Bros Construction Co				17,003			17,003					
Strip Permit No. 450-10A	Venango	•		11,339		,	11,339	•	178	2		
Kerry Coal Co. Strip Permit No. 41-52	Venango			17,317		,	17,317	,	128	е		
Lucas Coal Co., Inc. Strip Permit No. 1680-7	Venango	3,149	٠	1,106	•		4,255	,	09	7		
McCauley, C. A.									,	•		
Strip Permit No. 1902-1(a) Oil City Coal. Inc.	Clarion			7,020	ı		7,020		111	m		
Strip Permit No. 1508-1	Venango	5,693	٠	633	1		6,326		58	*	,	
Pengrove Coal Co.												
Strip Permit No. 74-12	Venango			171,670			171,670	ı	306	14		ı
Strip Permit No. /4-15	Venango		-	66,849			66,849		1/8	17		
Total			-	238,519	-	-	238,519			756		-
Phillips, Merle H. Strip Permit No. 613-10	Venango	٠	٠	42,660	1	•	42,660		299	13	,	
Rockland Mining Co.	)											
Strip Permit No. 1106-1A-2-3-4	Venango	•	1	796,6		,	796,6		170	6)	,	1
Strip Permit No. 1106-2	Venango	-		23,629	-	1	23,629		215			-
Domonico Duco Entramatoro Tro			-	33,393			33,393			4		7
Strip Permit No. 1768-1	Venango		•	3,317	•		3,317	1	33	2		
Rupert Collieries, Inc. Strip Permit No. 1917-1	Clarion			15,715		,	15,715	,	128	00		
Shannon Coal Co.												
Strip Permit No. 1204-32	Clarion	85,346		9,483	ı	1	94,829		267	28	ı	2
Strip Permit No. 1210-6	Clarion	1		22,159			22,159	1	266	4		1
Vendale Coal Co., Inc. Strip Permit No. 1837-265	Venaneo		1	102 753	1	,	102 753		312	14	,	
Strip Permit No. 1837-3	Venango		1	57,912	1	•	57,912		264	14	,	
Total			1	160,665			160,665			28		2
Weaver Contracting, Inc. Strip Permit No. 1356-3	Venango	1	,	36,473	1	1	36,473	1	187	4	,	- 1

				Produc	tion of Coal	Production of Coal & Coke - Net Tons	Tons			,			
						: Coal Used	Coal						
			: Sh:	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
						: for	Manu-	Produc-	Produc-		No.	Fatal fatal	fatal
			: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci- &	acci-
Operators and Mines		County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke		ployes	dents	lents
weaver & sons, A. F.													
Strip Permit No. 144-12		Clarion	8,740	•	8,248	,	ı	16,988	ı	283	9	ı	ı
Strip Permit No. 144-22		Clarion	,	•	5,903	•	•	5,903	ı	171	5		1
Strin Permit No. 144-23		Clarion	2 875	٠	9 121			11 996	1	281			
State Downst No 166-26		Clouden	000		0 501			0 501		707	. 4	,	
SCITT LETIMIC NO. 144-24		CTRI TOIL			0,301		r	100,00		29	×		
	Tota1		11,615		31,853		1	43,468	1		18	,	
Winger Coal Co., Inc.													
Strip Permit No. 401-9		Venango	•		33,675	ı		33,675	ı	254	6)	,	,
Strip Permit No. 401-11		Venango			3,958	•	•	3,958	ı	94	^	,	
	Total				37,633			37,633			6		•
Zacherl Coal Co., Inc.													
Strip Permit No. 73-27		Clarion		•	11,914	ı	ı	11,914	ı	186	(7	,	,
Strip Permit No. 73-32		Clarion		•	26,533	ı	ı	26,533	ı	255	_	,	,
	Total				38,447	-		38,447			7		
District Total	Total		1,310,907	r	961,173	•	ı	2,272,080		276	462		6

(a) Information taken from monthly reports as no Annual Report was submitted, (b) Completely restored. \* Men included with those at C & K Coal Company. NO TE:

	•	1	•		1	'
	1	ı	ı		•	,
	7	10	2	5	*	5
	247	327	200	220	7	
	1	,	•	ı	-	,
	31,292	20,755	2,707	13,409	764	14,173
	•	•	•	,		ı
	,	•	•	•	-	ı
District 38	7,988	15,008	2,707	13,409	164	14,173
Ī	•	•	ı		•	•
	23,304	5,747	ı	•		
	Jefferson	Jefferson	Jefferson	Jefferson	Jefferson	
	Baughman Coal Co., Inc., R.D. Strip Permit No. 151-68-68(C)A2 Blackhawk Coal Co.	Auger-BAM-766 Rurkett Maxima I	Strip Permit No. 1308-1C	Strip Permit No. 1673-1	Strip Permit No. 1673-2	Total

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Shi	Shipped to Market		: Locally	Used in	Total	Total :	: Aver-		Ň	Non-
					: for	Manu-	Produc-	Produc- :	age:	No.	Fatal fatal	atal
		: By	By	Ву	: Domestic	facture	tion		: Days	of Em-	acci- acci-	cci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	: Worked ployes dents dents	ployes	dents de	ents
Caylor Coal Co.				1			0000		`			
Strip Permit No. 1135-1	Jefferson			1,938			1,938	ı	7+	4	ı	
Compass Coal Co., Inc.				372 63		1	972 25	ı	27.7	13	1	
Strip Permit No. 33-13	Jellerson			01,140		ı	011610	ı	† 7	C	ı	ı
COOKPOIT COAL CO., INC.	Tofforoon		٠	15 073	,	,	15.073	1	180	~	1	1
Demonstra Bros Cos Co	100 101 100			0						,		
Doverspire blos. coal co.	7.5	037 760					27 7.58		227	7		-
Strip Permit No. 56/-41	Jeirerson	004,12					7004,77	1	220	~ u		
Strip Permit No. 567-43, 44 & 64	Jetterson	40,984		ı			75,704		677	۷ ۵		4
Strip Permit No. 567-48, 52	Jefferson	35,607				ı	33,607		230	n (		
Strip Permit No. 567-59	Jefferson	13,115		1			13,115	1	144	2 1		ı
Strip Permit No. 567-65	Jefferson	51,224	-	-		-	51,224	-	231	۲		1
Total		173,388		-	1	-	173,388	-		25		7
Fran Contracting, Inc.							4					,
Strip Permit No. 1073-12 & 12A	Jefferson			56,991	1	ı	26,991	ı	240	13	ı	_
Glen Irvan Corp.												
Strip Permit No. 671-12	Jefferson	1		18,453		1	18,453	ı	204	4		ı
Strip Permit No. 671-17	Jefferson		1	24,774	1	-	24,774	1	197	2		
Total			1	43,227	-	-	43,227	-		6		
Glenn Coal Co., Div. of												
Champion Coal Co., Inc.									,	•		
Strip Permit No. 343-19	Jefferson				•	ı	ı	ı	91	2		ı
Strip Permit No. 343-20	Jefferson	^		^	,	1	69	ı	125	2		ı
Strip Permit No. 343-24	Jefferson	^		^			26,149	ı	273	9		ı
Strip Permit No. 343-25	Jefferson	^		^		1	1	ı		2		ı
Strip Permit No. 1403-5	Jefferson			^			12,354	ı	266	5		ı
Strip Permit No. 1403-6	Jefferson	^		^			7,574	ı	184	n		ı
Strip Permit No. 1403-8	Jefferson			^			1	1	111	2		ı
Strip Permit No. 1403-9	Jefferson	119,766)		58,989)		1	4,347	1	169	en .		ı
Strip Permit No. 1403-10	Jefferson			^		ı	518	ı	151	2	1	ı
Strip Permit No. 1403-12	Jefferson			^		1	65,239	ı	278	7		ı
Strip Permit No. 1403-14	Jefferson			^		1	3,561	1	138	2		ı
	Jefferson		1	^		1	22,304	1	265	6		ı
	Jefferson		,			1	4,560	1	181	2	1	1
	Jefferson				,	1	13,849	1	66	6	1	ı
	Toffereon				•		18,235	ı	185	7	1	1
		119,766	1	58,989	1	1	178,755			63		
Harmon Coal Co.												
Strip Permit No. 514-12A4	Jefferson	12,473	ı	ı		ı	12,4/3		7 47	7	ı	ı

			Produc	tion of Coal	Production of Coal & Coke - Net Tons	Tons						
		Ship	Shipped to Market		: Coal Used	Coal	Total	E	¥		2	
					: for	Manu-	Produc-	Produc= .	AVEL	No	Non-	Non-
Operators and Mines	County	By Rail	By Water	By Truck	: Domestic	facture of Coke	tion of Coal	tion :	Days	- W.	acci- acci-	aca. cci.
Jara Mining Co. Strip Permit No. 1955-1	Jefferson	1	ı	1,672		1	1,672		74	1	-	1
Kann Coal Co., Inc. Strip Permit No. 621-6(3A) &							•					
1714-8	Jefferson	28,353	1	ı	ı	ı	28,353	,	360	27		3
Keystone Mining Co.	4						1		0			
Strip Permit No. 1647-5A	Jefferson			10,117			10,117	1	00 E	m ;	ı	1 -
Strip Permit No. 1647-5RE	Jetterson		' '	69,651		1 1	69,651		252	16 *		4 1
Total				81,711	1		81,711			19		4
Markle-Bullers Coal Co.	Tofforon	•	1						113	,		
Strip Fermit No. 504-57(a)	Tefferson	660		62%			1 284		233	, ,		0
Strip Permit No. 504-45	Tefferson	69.488		52.214			121,702	1	250	15		1 1
Total		70,148	1	52,838	1	1	122,986	1		20		2
Meterko, Andrew R.	Tofforeon		1	7 350			7 350		240	~		1
Minich Coal Co.									1	)		
Strip Permit No. 415-7	Jefferson	1	ı	13,136	ı	1	13,136	1	149	3	ı	1
Moore Coal Co., Everett	Tefferson	٠	1	3 566	ı	,	3 566	1	174	-	ı	ı
Strip Permit No. 157-14	Jefferson	•	,	9,871		,	9,871	1	223	· m	ı	1
Auger-BAM-913	Jefferson		1	4,079	1	1	4,079	1	64	3	1	-1
Total			-	17,516	-	1	17,516	-		7	ı	1
North Cambria Fuel Co. Strip Permit No. 10-52	Jefferson	12,075	1	•		,	12,075	ı	129	4	ı	- 1
Auger-BAM-992	Jefferson	4,724	-	-	-	-	4,724	1	27	*	ı	ı
Total		16,799	1	1	1	ı	16,799	1		4		1
P & N Coal Co., Inc.	Tefferson	64.721	1	7.655	1	,	72.376	ı	249	25)	,	12
Strip Permit No. 32-80	Jefferson	20,256	,	2,468	,	1	22,724	ı	249		,	1
Strip Permit No. 32-101	Jefferson	610	1		-	1	610	1	41		-	
Total		85,587	1	10,123	1	E	95,710	1		25	-	12
Park, Sara L. Strip Permit No. 1733-1(a)	Jefferson		1	1	1	ı	1	ı	31	**	1	- 1
Strip Permit No. 1277-1A	Jefferson			1,917		1 1	1,917	1 1	63	3	1 1	1 1
Total			1	1,917	1	8	1,917			3	ı	

NOTE:

(a) Backfilled and completed in June 1979.
 \* Contract augering.
 \*\* Men included with those at Markle-Bullers Coal Company operations.

	1	1 1	1	1	1	ı	ı
	1	1 1		1	ı	ı	ı
	7	×	12	10	14	12	*
	229	247 147		242	246	246	19
			,		ı	ı	ı
	10,515	62,341(a) 12,208	85,064	106,127	119,219	80,248	8,011
	1		1	ı	ı	1	ı
	1	1 1	-	ı	ı	1	
District 38A	7,705	21,045 10,509	39,259	ı			1
	1	1 1		1	ı	1	
	2,810	41,296	45,805	106,127	119,219	80,248	8,011
	Jefferson	Jefferson		Jefferson	Jefferson	Jefferson	Jefferson
	Baughman Coal Co., Inc., R.D. Strip Permit No. 151-66	Strip Permit No. 151-74 Special Project No. 475	Total	Benjamin Coal Co. Strip Permit No. 64-130	Strip Permit No. 64-137	Strip Permit No. 64-152	Strip Permit No. 64-166

## District 38A

			Product	tion of Coal	Production of Coal & Coke - Net Tons	t Tons					
					: Coal Hand	Coal					
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Non-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal
N. T.		By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci-	acci- acci-
Operators and Mines	County	: Kail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents	dents dents
Benjamin Coal Co. (continued)											
Strip Fermit No. 04-182	Jeiterson	8,029		•			8,029	,	39	9	1
Strip Permit No. 64-197	Jefferson	13,000	•	•	•		13,000	,	7.1	3	1
Strip Permit No. 64-203	Jefferson	60,236	-	•	•		60,236	ı	244	10	1
Total		394,870	•	٠	-		394,870			55	-
Boyer Coal Co.											
Strip Permit No. 269-6	Jefferson			•		•	•	,	22	2)	
Strip Permit No. 269-7	Jefferson		1	4,565	•	•	4,565	,	239	<u>`</u>	1
Total			•	4,565			4.565			2	'
Brookvalley Coal Co., Inc.											
Strip Permit No. 1835-2	Jefferson		•	2,800	•	,	2,800	,	06	15)	1
Strip Permit No. 1835-3	Jefferson		•	34,000	•	•	34,000	1	180		- 1
Total				36.800			36.800			15	-
Brubaker Bros. Coal Co.											
Strip Permit No. 53-4A5	Jefferson		•	•	828	•	828	,	80	~	
Chernicky Coal Co., Inc.									ò	,	
Strip Permit No. 1423-8	Jefferson	22,016	•	4.194	•	•	26.210	ı	348	7	1
Strip Permit No. 1423-10&10A	Jefferson	51,369	•	9,785	•	,	61 154	,	378	56	
Strip Permit No. 1423-17	Jefferson	12.878	•	2 453	٠		15 331		176	,*	
Strip Permit No. 1423-18	Jefferson	14,470	•	2,756	,	,	17,226	ı	183	18	1
Total		100,733		19,188	-	-	119,921			54	
Colt Resources, Inc.											
Strip Permit No. 1171-10	Jefferson			34,000	1	•	34,000		255	3	1
Daset Mining Corp.											
Strip Permit No. 1551-2	Jefferson	•		329		1	329		23	2	1
Strin Dormit No 1775-2	Tofforcan			707 3			1		000	c	
DeSalve Mining	100 101 100		1	73167			77176		720	7	
Strip Permit No. 1711-1	Jefferson	•		13,249	•		13,249	1	142	7	1
Doan Coal Co.									!		
Strip Permit No. 154-13	Jefferson	1,662	1,312	3,911	ı	1	6,885	1	86	*	1
Strip Permit No. 154-14	Jefferson							1	20	*	1
Strip Permit No. 154-15	Jefferson	•		1		ı		1	7.1	*	1
Strip Permit No. 154-17	Jefferson	12,102	6,549	28,483			50,134	ı	282	4	-
Strip Permit No. 154-18	Jefferson	4,560	3,598	10,731	•		18,889	ı	182	4	1
Strip Permit No. 154-19	Jefferson	7,458	5,884	17,551		•	30,893	,	205	4	1

Production of Coal & Coke - Net Tons

					: Coal Used	Coal						
		: Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		No	Non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	tal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci-		acci-
Operators and Mines	County	Rail	Water	Truck	: Furboses	of Coke	of Coal	of Coke	: Worked	Worked ployes dents	dents de	dents
Doan Coal Co. (continued) Strip Permit No. 154-21	Jefferson	8,608	6,792	20,259		,	35,659	1	174	4		
Strip Permit No. 154-22	Jefferson	792	605	1,805		1	3,177	1	15	-k	,	
Total		35,157	27,740	82,740		1	145,637			16		_
Doverspike Bros. Coal Co.	100000	702 37					, 01		0	1		
Strip Permit No. 567-51 53	Jefferson	29 909					79,794		202			
Strip Permit No. 567-55, 56,60							2000			r		
62 & 63	Jefferson	40,275	1	ı	1	1	40,275	•	234	12	,	1
Strip Permit No. 567-70	Jefferson	5,936	1	1	1	1	5,963	1	26	-k	-	
Total		121,914	1	'	-	-	121,914	'		23		_
Esquire Fuel Co. Strip Permit No. 263-10	Tefferson		1	5 813	1	,	5 813	,	156	0	,	
Fye, Elmer E.							1			1		
Strip Permit No. 1008-1, 2	Jefferson		,	2,080	200	1	2,580		160	1	,	
Gearhart, Alvin												
Strip Permit No. 632-11, 12,13	Jefferson			55,180	1	,	55,180	ı	210	12		,
Glen Irvan Corp. Strin Permit No. 671-6	Tefferson	,	,	27 521	,	,	27 521		201	7		
Glenn Coal Co., Div. of				111111111111111111111111111111111111111			1100		4			
Champion Coal Co., Inc.												
Strip Permit No. 1403-3	Jefferson	20,826		9,127		•	29,953	ı	250	9	,	
	Jefferson		-	-	-		-	-	111	2		
Total		20,826	-	9,127	-	-	29,953	'		8	-	
Hanley Brick, Inc.												
Strip Permit No. 886-3 Hepburnia Coal Co.	Jefferson	1		2,459			2,459		251	2		
Strip Permit No. 14-62	Jefferson	15,885		,		1	15,885	,	266	3	,	
Strip Permit No. 14-66	Jefferson	8,763	-	1	-	1	8,763	_	147	3		
Total		24,648	-	-	-	•	24,648	-		9		_
Ingram Coal Co. Strip Permit No. 1476-2	Jefferson	42.416	,	1	1	,	42.416	ı	184	7		
Jefferson-Clearfield Coal Co., Inc.												
Strip Permit No. 1777-1	Jefferson			53,021			53,021		286)	7)	ı	3)
Strip Permit No. 1777-4	Jefferson	-	-	74,229	1	-	74,229					$\neg$
Total			-	127,250	1	1	127,250	5		7		3

# District 38A

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	t Tons					
		: Ship	Shipped to Market		: Coal Used	Coal Used in	Total		,		2
					for	Manu-	Produce	Droduc .	ı	Mo	-uon
Operators and Mines	,	By By	Ву	By	: Domestic	facture	tion		age Days	of Em-	ratal ratal acci- acci-
K.I.T. Industries	COUNTRY	. Nail	warer	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	ployes	: Worked ployes dents dents
Strip Permit No. 1417-1	Jefferson	•	1	5,124	1	,	5,124	•	09	2	
Strip Permit No. 1417-5	Jefferson	•	-	41,413	-		41,413	1	210	2	1
Total			0	46,537		1	46,537	1		7	-
Krach & Gearhart Strip Permit No. 1497-1	Tefferson	٠	,	0 620	•	,	0690	,	120	~	
Neal Coal Corp., Howard				01060			2,040		077	t	1
Strip Permit No. 1442-3	Jefferson	13,947	1	ı		1	13,947	•	160	4	'
R.E.M. Coal Co., Inc.											
Strip Permit No. 932-11	Jefferson	38.0%		1000		ı	55,080		296	90	1 -
Total	nos terres	93,125		10,000			103,125		067	14	-  - -
Rice Coal Co.											
Strip Permit No. 1354-1	Jefferson			3,931		ı	3,931	,	160	1	1
Rosio Coal Co.											
Strip Permit No. 1739-1	Jefferson			3,831			3,831	1	305	1	1
Sharrer Mining Corp. Strip Permit No. 1581-4	Jefferson	,	,	795 17	ı	,	71 567		29.0	7	
Sky Haven Coal. Inc.							000		9		
Strip Permit No. 1812-6	Jefferson		•	5,297	,	1	5,297	,	166	( 7	1
Strip Permit No. 1812-7	Jefferson						, '		13	`	1
Total			•	5,297	-		5,297	-		4	-
Smith, Calvin											
Strip Permit No. 1494-5	Jefferson		•	10,000	•		10,000		240)	11)	1
Strip Permit No. 1494-6	Jefferson	-	-	29,879	•	-	29,879	-	1	1	-
Smith Coll Co A A		-	-	39,879		•	39,879			=	-
Strip Permit No. 1579-3	Tefferson		,	18 926			18 926	,	727	7	1
Stahlman Coal Co., Inc., W.P.				070,07			22,04		177	r	
Strip Permit No. 9-32	Jefferson	88,075	•	4,500	•	•	92,575	,	355	18	1
Strip Permit No. 9-43	Jefferson	5,223	1	1,200			6,423	•	153	*	1
Strip Permit No. 9-50	Jefferson	8,237		•			8,237	,	104	*	1
Strip Permit No. 9-51	Jefferson	11,930	•				11,930	,	120	*	1
Strip Permit No. 9-52	Jefferson	30,633	1	•			30,633	ı	(p)	(p)	1
Strip Permit No. 9-55	Jefferson	117,240	•		300		117,540	•	355	19	1
Strip Permit No. 9-57	Jefferson	54,092	•	11,750	200		66,042	1	307	œ	1
Strip Permit No. 9-64	Jefferson	66,957	-	4,000		-	70,957	-	237	=	-
Total		382,387	-	21,450	200	-	404,337	-		56	1

			Produc	tion of Coal	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Shi	Shipped to Market		: Locally	Used in	Total	Total :	Aver-		2	Non-
		••			: for	Manu-	Produc-	Produc- :	age		Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion:	Days	of Em-	acci- 8	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Worked	Worked ployes dents dents	dents	dents
Starr Ir. Ivan												
Strip Permit No. 364-4	Jefferson	1	,	32,400	,	ı	32,400	1	305	7	ı	,
Strip Permit No. 364-6	Jefferson			32,000	-	-	32,000	-	305	4		1
Total			•	64,400	-	1	64,400	1		11	-	-
Strishock Coal Co.												
Strip Permit No. 214-16	Jefferson						55,015	1	198	00	ı	1
Strip Permit No. 214-17	Jefferson	55.629	٠	27.091	,	ı	2,790	1	52	*	ı	,
Strip Permit No. 214-21	Jefferson	170,00		1000			24,915	1	133	7	ı	1
Strip Permit No. 214-22	Jefferson						-	-	5	*	-	-
Total		55,629		27,091	-	-	82,720			1.5	-	•
Sugar Hill Limestone Co.												
Strip Permit No. 496-10	Jefferson	•	•	29,226		ı	29,226	ı	212	œ	ı	1
Strip Permit No. 496-16	Jefferson			25,273	1	ı	25,273	ı	216	∞	ı	
Strip Permit No. 496-19	Jefferson		-	13,350	-	1	13,350	-	110	4		
Total				648, 29	1	-	648, 29	1		20	,	'
Thomas Fuels, Inc.												
Strip Permit No. 1615-5	Jefferson	1	1	14,088	ı	ı	14,088		295	9	ı	
Thompson Fuel Co. Strip Permit No. 1861-2	Jefferson	1	1	5,760	ı	ı	5,760	1	264	1	,	
Willaims Coal Co.												
Strip Permit No. 1712-1	Jefferson		-		94	-	97		144	-		'
District Total		1,331,457	27,740	845,513	1,874	,	2,006,584	,	255	410	,	6
			•									

(e) (e) \* NO TE:

<sup>3,721</sup> tons of this production was taken from stockpile.

Days worked and employes included with those at Strip Permit No 932-7, R.E. M Coal Co. Men included with those at other operations, same company.

			Produc	Production of Coal	& Coke - Net Tons	L Tons						
						Coal						
		Shij	Shipped to Market		: Locally	Used in	Total	Total	Aver-	Č.	Non-	1 7
M	2	. By	By	By	Domestic Durages	facture	tion cf Col	1 (	Days of Em-	of Em-	acci- acci-	1-1
Anollo Corn The	country	, Mark	water	TITAL	· introdes	OT COVE	01 0001		MOI NO	Proyes	delits delits	3
Strip Permit No. 1115-3	Indiana	1,100	ı	7,300	,	ı	8,400	,	192	2	1	
Arcadia Co., Inc., The												
Strip Permit No. 164-13	Indiana	32,035	•	1	1		32,035	ı	232	6	1	
Strip Permit No. 164-20	Indiana	22,019		1	1	,	22,019	1	232	œ	1	
Strip Permit No. 164-21	Indiana	808		,	,		808	1	138	7	1	
Strip Permit No. 164-26	Indiana	1,290		1	,		1,290	1	188	2	1	
Strip Permit No. 164-30	Indiana	3,738	1	•		1	3,738	1	118	1	1	
Strip Permit No. 164-32	Indiana	18,868				1	18,868	-	214	4	1	
Total		78,758		1	-	-	78,758	-		25	- 1	
Becker Coal Co., Paul F.												
Special Project No. 674	Indiana			2,641	,		2,641		89	1	0 0	
Benjamin Coal Co.							,			;	,	
Strip Permit No. 64-95	Indiana	116,509		ı	t		116,509		252	16		
Strip Permit No. 64-127	Indiana	80,196				ı	80,196	ı	248	15	-	
Strip Permit No. 64-132	Indiana	57,266		1			57,266		246	15	- 2	
Strip Permit No. 64-157	Indiana	18,723		1	1		18,723		9/	4	1	
Strip Permit No. 64-158	Indiana	99,052	1	1	,	1	99,052	1	249	19	- 1	
Strip Permit No. 64-178	Indiana	2,313		1	ı	,	2,313	ı	19	2	1	
Strip Permit No. 64-189	Indiana	48,969	,	,	1	,	48,969	ı	248	11	1	
Strip Permit No. 64-194&195	Indiana	26,447		-	1	-	26,447	1	236	7	-	1
Total		449,475	2	1	•		449,475	-		92	- 5	1
C & C Coal Corp.												
Strip Permit No. 1197-9	Indiana	•		710			710	1	24	(9	1	
Strip Permit No. 1197-10	Indiana	1		18,509			18,509		231	_	1	
Strip Permit No. 1197-15	Indiana		•	32,622	•	-	32,622	-	180	1		
Total			•	51,841	•	'	51,841	-		9	-	
Cookport Coal Co., Inc.	7			007 9			06.7.9	ı	63	~		
Strip Permit No. 188/-1	Indlana		ı	0,470		1	0,470	'	2	٦	•	
Doverspike Bros. Coal Co.	Indiana	71 339			1	,	71, 339	ı	280	11		
TIV Mining Co	TIIGTAIIG	11,000	ı	ı	ı		12,000		9	;		
Strip Permit No. 1756-1	Indiana	•		24,343	,	1	24,343	1	265	က	•	
GARD Mining, Inc.												
Strip Permit No. 1823-1	Indiana	•	1	11,991	1		11,991		74	6	1	
Strip Permit No. 1823-2	Indiana	L		18,965			18,965		113	~~		
Strip rermit NO. 1823-3	Питапа			58,013			58.013		7.77	6		
2 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6				20,000								

			Product	Production of Coal	& Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	A 170 r-		Z	Non
					for	Manu-	Produc-	Produc-	1000	No	Fatal fatal	242
		By	Bv	Bv	: Domestic	facture	tion	rion	Dave	Ë	ב ברטבו	ייטטייי
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	þ			dents
Houser, William C.												
Strip Permit No. 1333-1(a)	Indiana		1	2,560	ı	ı	2,560		23	2		
Indian Head Coal Co.												
Strip Permit No. 1840-1	Indiana	•		4,650		,	4,650	1	130	(9		
Strip Permit No. 1840-2	Indiana		•	000,6			000,6	1	110	^		
Auger-BAM-939	Indiana	-	-	450	-	1	450	'	25		,	
Total			•	14,100	-	-	14,100	'		9		
Kent Coal Mining Co.												
Strip Permit No. 482-10 Refuse	Indiana	2,182	ı		ı	ı	2,182		82	2		,
Lamkie coal co.	Indiana	12 7.87				•	12 487	,	80	*		
Strip Fermit No. 10/=0	Timerana	12,401		1	1	ı	10,10		5 6	: `	ı	ı
Strip Permit No. 107-10	Indiana	19,3/6					110,376	ı	241	<b>†</b> ;		
Strip Permit No. 107-11	Indiana	113,104	-	•		•	113,104		243	11		.
Total		144,967	1		-	-	144,967	'		15		
Marion Center Mining Co., Inc.												
Strip Permit No. 212-6A	Indiana	24,373		•	•	1	24,373		200	(9		
Strip Permit No. 212-8A(b)	Indiana			•	-	-	-	-	224			
Total		24,373	1		-	-	24,373	-		9	-	
Mears Coal Co.												
Strip Permit No. 3-11(b)	Indiana	•	•	•			ı	1	84	*	•	
Strip Permit No. 3-14	Indiana	4,997	•	1	1	•	4,997	ı	115	2	,	
Strip Permit No. 3-16	Indiana	4,691	•	•	1		4,691	1	155	e	,	
Strip Permit No. 3-20	Indiana	23,557	•	1	1		23,557		165	e	,	,
Strip Permit No. 3-23	Indiana	10,105			ı		10,105		94	3	ı	
Strip Permit No. 1670-3	Indiana	10,289			1		10,289		65	e	,	ı
Special Project No. 309	Indiana	6,160		1		1	6,160	ı	127	*	ı	
Auger-BAM-829	Indiana	8,969		1			8,969	ı	99	3)		
Auger-BAM-848	Indiana	1,843		ı		1	1,843	1	16	^	ı	
Auger-BAM-1004	Indiana	3,110		-	-	1	3,110	1	15			
Total		73,721		-		1	73,721	1		17	,	
Oak Tree Coal Co.												
Strip Permit No. 1695-1 & 2	Indiana		1	•	1		1	1	190	7	ı	
Old Home Manor, Inc.									0	(		
Strip Permit No. 615-30	Indiana							ı	67	( †		
Strip Permit No. 615-31	Indiana	1					1 0	ı	550	` '		ı
Strip Permit No. 615-40	Indiana			28,397			28,397	ı	787	n •	ı	
Strip Permit No. 615-46	Indiana		•	26,372		-	26,372	-	260	4		
Total			-	54,769	1	-	54,769	1		13		

Information from monthly reports as no Annual Report was submitted. Backfilling.

Men included with those at other operations, same company. \* (b) (a) NO TE:

District 39A

			-									
			Produc	tion of Coal	Production of Coal & Coke - Net Tons	t Tons						
		Shir	Shipped to Market		: Coal Used	Coal Used in	To + 0.1	To + o I				Me
					for	Maru-	Produc-	Produc-	1000	N	Fatal fatal	fotol
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci- acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents	dents
A & C Coal Co. Strin Permit No. 1111-6(a)	Indiana	•	,	11.412	,	•	11.412	٠	78	~	1	
Strip Permit No. 1111-9(a)	Indiana		1	15,227	,	•	15,227		163	n	ı	,
Total				26,639	•		26,639			9		
Arcadia Co., Inc., The												
Strip Permit No. 164-14	Indiana	7,190		•			7,190	1	195	9	ı	
Strip Permit No. 164-19	Indiana		•	•				ı	106	*	ı	
Strip Permit No. 164-22	Indiana	3,152					3,152	1	193	2	1	•
Strip Permit No. 164-25	Indiana	•		1		1	1	1	106	*	ı	1
Strip Permit No. 164-27	Indiana	5,473			1	1	5,473	,	232	က		,
	Indiana	2,984		1	1	1	2,984	ı	209	2	ı	
Strip Permit No. 164-33	Indiana	7,235	-	-	-	-	7,235	-	139	3	-	•
Total		26,034					26,034			16	1	•
Beilchick Brothers												
Strip Permit No. 95-1	Indiana			14,488		•	14,488	ı	176	9	1	,
Strip Permit No. 95-3	Indiana	•	1	19,703	1	1	19,703	1	183	80		
Total				34,191	٠		34,191	1		14		
Bennett Coal Co.												
Strip Permit No. 924-3(a)	Indiana			2,006		•	2,006	1	86	2)	ı	1
Strip Permit No. 924-4 & 4A(a)	Indiana		1	•			•	ı	14	^	,	1
Strip Permit No. 924-5(a)	Indiana		•	7,377	-	•	7,377	1	140	2	١	•
Total			1	12,383	-	1	12,383	1		4	1	1
Bentley Coal Co., Inc.												
Strip Permit No. 938-6	Indiana			785	1		785	ı	172	2	ı	ı
Strip Permit No. 938-6A3	Indiana	1		8,500			8,500	1	142	S	ı	•
Strip Permit No. 938-15	Indiana		•	2,875		1	2,875	ı	86	*	ı	ı
	Indiana			19,278			19,278	ı	72	*		1
Strip Permit No. 938-17C	Indiana	ı		29,405			29,405	ı	180	5	ı	1
	Indiana			41,059		1	41,059	ı	103	5	1	
Strip Permit No. 938-21	Indiana	1	•	2,473			2,473	ı	20	*	ı	ı
Auger-BAM-1008	Indiana	1	-	1,503		1	1,503	-	20	*	1	1
Total			-	105,878	-	-	105,878	-		20	1	1
Buterbaugh Construction Co.	:				0		1			ć		
Strip Fermit No. 1402-1	Indiana	ı			6,58/		8,58/	ı	00	( o	ı	•
Strip Permit No. 1482-2	Indiana				19,120		19,120	ı	160	~		
Augustance No. 1402-3	Indiana			ı	4,002	ı	4,002		67	٠ (		
Total	Tilatalia				35 127		25 127		777	101		
4333					10,104		10,407			2		

			0.000	1000	S Cala	E						
			Fronce	1011 01 0081	FIDGUCTION OF COMI & COKE - NET TOUS	r Tons						
					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Z	Non-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci- a	-ioo
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	of Coke : Worked ployes dents dents	ployes	lents d	ents
Strip Permit No. 1197-11	Indiana		•	10,047	ı	ı	10.047	,	100	13)	ı	_
Strip Permit No. 1197-12	Indiana		-	82,822		1	82,822	ı	251	<u> </u>	,	
Total				92,869		-	92,869			13		2
Dunkard Creek Coal, Inc.												
Strip Permit No. 939-2	Indiana		•	34,814	•		34,814	ı	197	15)		1
Strip Permit No. 939-7	Indiana	•	•	16,562			16,562	ı	09		,	
Auger-BAM-938	Indiana		-	9,058	1	•	9,058	ı	100	_	ı	,
Total				60,434	1		60,434	1		15		-
Freeport Coal Co., Inc.	;											1
Scrip Permic No. 1553-2 Fve. Fluer E.	Indiana	•	•	18,379		ı	18,379	ı	172	3		
Auger-BAM-1008(a)	Indiana		,	1,503	ı	,	1.503		20			,
Glory Coal Co., Inc.									2	)		
Strip Permit No. 1462-2	Indiana	•	1	6,809	1	,	608,9	1	222	2		,
Hawk Contracting, Inc.												
Strip Permit No. 1259-5	Indiana	•	r	ı		,	,	1	179	9		
Strip Permit No. 1259-12	Indiana	•	•	123,412			123,412	1	301	32	ŧ	
Strip Permit No. 1259-	Indiana		-	3,192	-	-	3,192	1	747	*	1	
Total			1	126,604	-	-	126,604	-		38	ı	
Head Coal Co.												
Strip Permit No. 124-8	Indiana	•	1	56,140	1	ı	56,140		251	9	1	
Kraversky, Charles Strin Permit No. 1223-6(a)	Tndiana		1	020			0		0	c		
M & M Mining, Inc.	5115	1	,	0,000	ı	ı	7,030	ı	5	7		
Strip Permit No. 1207-4	Indiana		ı	ı	1	1	1		134	( 7	ı	
Strip Permit No. 1207-4A	Indiana		-	1	-	-	-	1	147	_		
Total			1	1	1	1	1			4	1	
MAC-MAR, Inc. Special Project No. 529	Indiana		ı	,	,		٠	,	78	**		
Mears Coal Co.									2			
Strip Permit No. 3-24(a)	Indiana		ı	2,131			2,131		41	2		
Strip Permit No. 1467-1C	Indiana	,	ı	6,437	ı	,	6,437	,	179	3)	1	,
Strip Permit No. 1467-2	Indiana		•	20,032	1	-	20,032	-	213	$\widehat{}$		
Total			-	26,469	t	-	26,469	1		3		

			Product	ion of Coal	Production of Coal & Coke - Net Tons	: Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Non-	-uon
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal	Eatai
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke		Worked ployes dents dents	dents	lents
North Cambria Fuel Co.												
Strip Permit No. 10-29A4	Indiana	ı						ı	88	k		
Strip Permit No. 10-30A	Indiana	58,770		,	,	ı	58,770	ı	249	7	ı	ı
Strip Permit No. 10-35A	Indiana	21,180	•	•		1	21,180	ı	239	3	ı	1
Strip Permit No. 10-49	Indiana	7,450				1	7,450	1	103	2	ı	,
Strip Permit No. 10-510	Indiana	2,689		,		1	2,689	1	112	*	ı	1
Auger-BAM-1009	Indiana	1,039					1,039	-	10	#	1	
Total		91,128	1	-	-	-	91,128	1		15	1	1
Pelbro Fuel, Inc.												
Strip Permit No. 1518-10	Indiana	1	٠	17,177			17,177	1	239	4	ı	•
Strip Permit No. 1518-2	Indiana	1	•	27,384			27,384	1	231	2	ı	ı
Strip Permit No. 1518-3	Indiana			50,013		•	50,013	1	227	7		
Total				94,574	1		94,574	-		16		-
R & L Development Co.												
Strip Permit No. 1237-1	Indiana		•	11,703	•	•	11,703	ı	181	3)	ı	
Strip Permit No. 1237-2	Indiana		•	5,633		-	5,633	1	53			
Total		-		17,336			17,336	-		3		
Rayne Mining Co.												
Strip Permit No. 1682-3	Indiana			23,938	•		23,938	1	278	3	ı	1
Strip Permit No. 1682-4	Indiana		-	12,950	-	1	12,950	'	190	3		
Total			1	36,888		-	36,888	1		9	'	,
Ruffner Coal Co.												
Strip Permit No. 1269-2A	Indiana	1		23,160			23,160	ı	187)	(		,
Auger-BAM-908	Indiana		-	850	-	-	850	1			'	
Total				24,010	-	-	24,010	1		7		
Simpson, Marshall J.									;			
Strip Permit No. 1831-2(a)	Indiana		ı	7,574	ı		7,574	ı	88	2	ı	ı
Weimer, John	;				011		2 750		163	-		1
Strip Fermit No. 03U-1	Indiana			ı	3,730		3,730		707	1		
West became Coar Co. Strip Permit No. 1376-1	Indiana			50,642	1	-	50,642	1	100	13	-	-
District Total		117,162		804,303	38,884	,	960,349	•	220	224	1	4

Information taken from monthly reports as no Annual Report was submitted. Men included with those at other operations, same company. Men included with those at other operations, same company; District 34A. Contract Augering. (a) \* \* \* # NO TE:

Production of Coal & Coke - Net Tons

					Cool Hand	1						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Z	Non-
					: for	Manu-	Produc-	Produc-		No. E	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion		Em-	cci-a	cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	ployes dents dents	lents d	ents
BBL Enterprises, Inc.	2000		1	6 759	•	ı	6.752		183	(9)	,	'
Strip Fermit No. 1143-5	Somerset			8,205	1	,	8,205	,	65		,	,
Stip termit no. 1175 - Total		1		14,957		-	14,957	•		9		
Beener, E. Edward												
Strip Permit No. 1211-3	Somerset	•	,	1,084	1	1	1,084		193	2		
Better Mining, Inc.							,			:		
Strip Permit No. 1220-7	Somerset	•		1,742	ı		1,742		42	(4)		
Strip Permit No. 1220-8	Somerset		-	5,380	1	-	5,380	-	127			
Total	al			7,122	1	1	7,122	-		4		-
Boomdown Coal Co., Inc.				1					0,00	6		-
Strip Permit No. 1282-4	Somerset			7,04/			750,00		707	(77		٠,
Strip Permit No. 1282-5	Somerset		-	5,945			2,943		30			. -
Total	al			59,492	•	-	265,660			7.7		-
Brawal Mining, Inc.	,			0			000		100)	ú		
Strip Permit No. 1372-2	Somerset			984			704	ı	100)	<u>`</u>		
Strip Permit No. 1372-3	Somerset		-	2,707	-	-	2,707			1		
Total	al		•	3,691	-	•	3,691	•		۱		
Coal Junction Coal Co.							,		;			
Strip Permit No. 45-12	Somerset	899		1			899		33	*	ı	
Strip Permit No. 45-13	Somerset	20,03		2,800		,	25,892	ı	242	ς ,	ı	1
Strip Permit No. 45-14	Somerset	5,435		1			5,435	ı	242	2		ı
Strip Permit No. 45-15	Somerset	2,886	•	1	1		2,886	ı	242	. 2	ı	
Strip Permit No. 45-17	Some rset	8,054					8,054	ı	232	4 '		
Strip Permit No. 45-19	Somerset	8,589		2,500		,	14,089	ı	242	S.		
Strip Permit No. 45-20	Somerset	17,686	•	000,9			23,686	ı	242	4	ı	
Strip Permit No. 45-23	Somerset	1	•	-	-	-	1			k		.
Total	al	63,410	1	71,300	-	-	80,710	-		22		-
Croner, Inc.				,					i.	í		
Strip Permit No. 148-16	Somerset	6,720	,	6,811			13,531	ı	250	<u>ر</u>		ı
Strip Permit No. 148-21	Somerset	-	-	787	-	-	787	1	2			.
Total	al	6,720	-	7,598		-	14,318			2		.
Drummond Coal Co., Inc.				9 068	1	,	2.068	,	132	3)	,	,
Strip Permit No. 1035-1	Somerset			000,1		•	1	1	96	_	,	1
Still fermit NO. 1933-2			-	2.068		•	2.068	1		3	,	,
3 2 4	4			22,26=								

			Product	Production of Coal	& Coke - Net Tons	r Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market		Locally	Used in	Total	Total	Aver-		Non-	- u
		B	Bv	BV	: for	Manu- facture	Produc-	Produc-	age	No.	No. Fatal fatal	tal
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	70	Dloves o	Worked ploves dents dents	1 1 2
Fetterolf Coal Co., Inc., M.F.	· ·								000	,		
Strip Permit No. 216-32(a)	Somerset			1 1			1 1		208	<b>†</b>		. ,
Strip Permit No. 216-39	Somerset			06, 090			06/,00		183	. 10	-	_
Strip Permit No. 216-48(b)	Somerset		-	-	•	•	-	'	25	*		d,
Total			•	66,790	•	-	66,790			20	-	اہـ
Glessner Mines							,		;			
Strip Permit No. 1612-3	Somerset			25,815	ı	ı	25,815	ı	246	9	1	
Godin & Goden Coal, Inc.										;		
Strip Permit No. 976-4	Somerset		•						6	11)	1	
Strip Permit No. 976-6	Somerset	•		9,233		1	9,233		165	^	1	ı
Strip Permit No. 976-7	Somerset		•	54,244	•		54,244	1	218		1	٦
Total			•	63,477	•	•	63,477	-		11	1	١
Gray Mining Co., Inc.												
1A2 & 1A3	Somerset			45,945	,	,	45,945	•	281	11	- 1	_
J & J Mining Co., Inc.												
Strip Permit No. 1985-1	Somerset	•		1,469		•	1,469	,	37	2	1	ı
J & R Coal Co.												
Strip Permit No. 1007-4A Refuse	Somerset		•	106,482		•	106,482	1	169	2		
King Coal Co.							:		1	,		
Strip Permit No. 1566-6	Somerset	•		42,659	ı		42,659	ı	208	15	1	ı
Strip Permit No. 1566-10	Somerset			10,754	•	-	10,754	•	131	07	-	۱
Total		-	-	53,413	•	-	53,413	-		25		d
McClintock, J. Lloyd							0					
Strip Permit No. 1117-3	Somerset			27,850		ı	27,850	ı	219	2	1	
Metco Mining & Minerals, Inc.									0	(		
Strip Permit No. 1312-2	Somerset		ı	31,227			31,22/		233	(9	1	ı
Strip Permit No. 1312-3	Somerset			3,800		ı	3,800	ı	40	^	1	ï
Strip Permit No. 1312-5	Somerset		•	9,675	-	-	9,675	-	72		-	
Total			1	44,702			44,702	1		9	-	
North Cambria Fuel Co.										,		
Strip Permit No. 10-42	Somerset	84		22,526			22,610	ı	240	9	1	
PBS Coals, Inc.							612 610		077	7.1		
Strip Permit No. 222-19	Somerset	2/,617				ı	27,017	ı	7/7	4.		
Strip Permit No. 222-20	Somerset	14,148				ı	14,148	ı	274	و و	1	
Strip Permit No. 222-22A	Somerset	42,631	•				45,631	1	5/7	30	1	
Auger-BAM-923	Somerset	13,035					13,035	ı	9 !	3)	1	ı
Auger-BAM-968	Somerset	2,536	-	-	-	1	2,536	1	27		1	
Total		129,962		•			129,962	1		98	1	

		Non-	fatal acci-	dents			•	•			1	,	1					1	4
			Fatal fatal acci-acci-	dents	1		1	1			1	1	1	•	1			1	1
			No. Fatal fatal of Em- acci- acci-	Worked ployes dents dents	7	-	20)		20		œ	11	*	10	11	07		00	321
		: Aver-	age Days	Worked	260	)	290	124			175	174	10	176	207			157	239
		Total :	1	of Coke :	,		ı	1	,		,	1	ı	1	•			1	,
		Total	Produc- tion	of Coal	23.150		32,860	55,691	88.551		23,593	37,713	. 1	17,629	55,472	134,407		22,314	1,040,739
t Tons	Coal	Used in	Manu- facture	of Coke	1		,	ı			ı	1	1	1	ı	1			,
Production of Coal & Coke - Net Tons	: Coal Used	: rocally	: for : Domestic	: Purposes	1		ı	•			•	1	1		•			22,314	22,314
tion of Coal			By	Truck	23,510		1	ı			ı	•	1	1	1	•		•	595,291
Produc	A Marilland	энтрреа со магкет	By	warer	1		1	1	•		1	1	•	1	1	1			1
	40	ddTile .	By	. Vall			32,860	55,691	88,551		23,593	37,713		17,629	55,472	134,407		1	423,134
			,	COUNTRY	Somerset		Somerset	Somerset			Somerset	Somerset	Somerset	Somerset	Somerset			Somerset	
			Onerstore and Mines	Soberdash Coal Co	Strip Permit No. 1855-6	Summit Mines, Inc.	Strip Permit No. 1860-1	Strip Permit No. 1860-7 & 7A	Total	Svonavec, Inc.	Strip Permit No. 553-10	Strip Permit No. 553-14	Strip Permit No. 553-15	Strip Permit No. 553-16	Strip Permit No. 553-17	Tota1	Will's Construction Co.	Strip Permit No. 1841-2	District Total

\* (p) NOTE:

Backfilling Completed Men included with those at other operations, same company.

	•	1	•	'	'	
	1	1	•	•	'	
	9	Н	2	. 2	6	
	149	247	186	09	250	
	1		•		1	
	34,635	8,730	1.168	3,300	45,859	
	•		,	•	,	
	1		,	,	,	
District 40A	34,635	8,730	1,168	3,300	45,859	
•	1		•	•	1	
	1	,			1	
	Somerset	Somerset	Somerset	Somerset	Somerset	
	American Development Co. Strip Permit No. 1950-1	American Mining Co. Strip Permit No. 1464-1	Beachy & Beachy Coal Co. Strip Permit No. 190-1CA-1CA3	Bittner, Darrell J. Strip Permit No. 1249-1&2	Bituminous Coals Strip Permit No. 1817-1, 3, 3A	

			Produc	Production of Coal	& Coke - Not Tone	Tone						
					Coal Used	Coal						
		: Shi	Shipped to Market		Locally	Used in	Total	Total	Aver-		Nov	Non-
			Bv	Bv	: for	Manu-	Produc-	Produc- :	age	No.	Fatal fatal	ıtal
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked	Worked ployee	dente dente	acc1-
Bituminous Coals (continued) Strip Permit No. 1817-4	Somerset			79.64			79.64		249	6		
Total			1	125,503	-	-	125,503	-		18		
Blue Lick Coal Co., Inc.												
Strip Permit No. 1657-2(a)	Somerset			(4)169		ı	169	ı	245	2	1	1
Strip Permit No. 1657-3	Somerset			25,180		1	25,180	1	199	7)	1	ı
Strip Permit No. 1657-4	Somerset	•		4,818(b)		ı	4,818(b)	ı	157)	^	1	1
Strip Permit No. 1657-4	Somerset		1	18,741	1	1	18,741	1			-	
Total			-	49,430	-	-	49,430	1		6	1	
Brant Mining Co., C. Strip Permit No. 610-4	Somerset	1		2,000	,	,	2,000	1	240	2	1	
Burnham Coal Co.												
Strip Permit No. 1279-3CA	Somerset	18,127		•		ı	18,127	ı	270	12	1	
Auger-BAM-967	Somerset	5,341	_	-	-	-	5,341	-	30	8	-	J
Total		23,468	-	1	-	-	23,468	-		15	-	J
C & O Coal Co.					000		000		0	c		
Cropper Inc. Took-3	Somerser	•	•		11,803	ı	11,603	ı	132	7		
Strip Permit No. 148-17	Somerset	18,320	1	1	1	1	18,320	,	192	2	1	
Strip Permit No. 148-18	Somerset	2,967	•	•		,	2,967	1	63	*		,
Strip Permit No. 148-24	Somerset	22,806		32,264	ı	ı	55,070	1	255	80		1
Strip Permit No. 148-25	Somerset	15,922	•	10,706	•	1	26,628	ı	255	2	1	1
Strip Permit No. 148-26	Somerset	7,729	-	7,600	-	-	15,329	-	500	4	1	
Total		77, 74	1	50,571	-	1	118,314	1		22	-	
Delta Mining, Inc.				1					1			
Strip Permit No. 1200-3	Somerset			42,571		ı	42,5/1	ı	747	57	1	1
Strip Fermit No. 1200-4	Somerser		1	7,292		ı	7,292		196	2 1		
Total	20mer ser			59 686			59 686	'   '	077	23		١,
East Ridge Mining, Inc.				200								
Strip Permit No. 720-4	Somerset		•	3,116	1	,	3,116	ı	98	3)	1	1
Strip Permit No. 720-5(c)	Somerset			. '	,	,	ı	1	3	_	1	1
Strip Permit No. 720-6	Somerset	-	-	4,468	-	-	4,468	1	73		1	
Total				7,584	٠	1	7,584	-		3		
Fetterolf Coal Co., Inc., M.F.				100001			200 01		000	c	-	
Strin Dormit No. 210-23	Somerser			6 615/0)			19,200		160	Να	1 1	-
Strip Permit No. 216-33(d)	Somerset			0,010(6)			,,		205	2 0		-
Total				25.821			25.821			19	- 1	_

### District 40A

				Productio	Production of Coal	A. Coke - Not Tone	Tong					
						Coal Head	Coal					
			Shipped to Market	Market		Locally	Used in	Total	Total	Aver-		Non
		: By			By	for Domestic	Manu- facture	Produc- tion	Produc- :		No. of Em-	Fatal fata acci- acci
Operators and Mines	County	Rail		Water	Truck :	Purposes	of Coke	of Coal	of Coke:	Worked		dents de
retrerolf Mining Sales Co., Inc.										;		
Finzel Coal & Clay Co., Inc.	Somerser	1			ı	ı		1		10	2	
Strip Permit No. 1754-1	Somerset	1			5,191	ı	,	5,191	,	266	7	
General Refractories Co.												
Strip Permit No. 560-1	Somerset	1		1	13,474	1	1	13,474	•	230	7	,
Hay Mining, Robert F.												
Strip Permit No. 1726-1	Somerset	1			20,998	ı	,	20,998		233	8	,
King Coal Co.												
Strip Permit No. 1566-3	Somerset	•			9,525			9,525	1	211	4	,
Strip Permit No. 1566-4	Somerset	-		-	6,123		1	6,123	1	200	1	
Total					15,648			15,648	-		5	
M & M Mining												
Strip Permit No. 1953-1	Somerset	•			,	438	•	438	1	9	2	
Moran Trucking & Coal Co., Tom										,	,	
Strip Permit No. 1784-1	Somerset	•			,		,	ı	,	37	15)	
Strip Permit No. 1784-1A	Somerset	•			1	•		,	,	105	7	
Strip Permit No. 1784-1A2	Somerset	•			3.843	,	,	3.843	,	131	_	,
Strip Permit No. 1784-2	Somerset				14,922	,	,	14,922	1	222	_	
Total					18.765		-	18.765			15	
Onvx Mining. Inc.												
Strip Permit No. 1662-1(f)	Somerset	1			7,595	ı	,	7,595	•	07	(76)	
Strip Permit No. 1662-2(f)	Somerset	1		1	7,565	•	,	7,565	1	70		
Strip Permit No. 1662-5(f)	Somerset	•			454	•	,	454	1	24	_	1
Total					15,614			15,614	-		24	
PBS Coals, Inc.												
Strip Permit No. 222-27	Somerset	21,284	.+		,	1	ı	21,284	ı	274	27	1
Auger-BAM-994	Somerset	7,943			1			7,943		23	٣	1
Total		29,227	7	-	-	-	-	29,227	1		30	
Pembroke Coal Co.												
Strip Permit No. 1813-1	Somerset	•			22,233	295	1	22,528	1	569	10	
Penn Pocahontas Coal Co.												
Strip Permit No. 651-1	Somerset	•				•			ı	201	r	
Strip Permit No. 651-3	Somerset	1			ı			1	ı	175	4	
Strip Permit No. 651-5	Somerset	•			1	1	•	•	,	209	n	
Strip Permit No. 651-6	Somerset	25,413	~		9,163			34,576	1	200	11	
Strip Permit No. 651-8 & 14	Somerset	9,028	~		ı			9,028	1	150	5	
Strip Permit No. 651-10	Somerset	37,03	.+		13,353	1,114	ı	51,501	1	500	11	1

District 40A

Operators and Mines  Renn Pocahontas Coal Co. (continued) Surity Permit No. 651-11 Strip Permit No. 651-13 Somerset Strip Permit No. 20-53 Strip Permit No. 20-54 Strip Permit No. 20-55 Strip Permit No. 20-55 Strip Permit No. 20-55 Strip Permit No. 20-65 Strip Permit No. 20-65 Strip Permit No. 20-61	By Rail By Rail 32,982 9,993 114,450 15,217	Shipped to Market By Water		Coal Used : Locally : for : Domestic : Purposes	Coal Used in Manu- facture of Coke	Total Produc- tion of Coal	Total Produc-: tion	Aver- age No. Days of Em-	No. of Em-	Fatal acci-	Non- fatal
nes. Co. (continued) 651-11 651-13 Total Inc. 20-53 20-54 20-55 20-56 20-61 20-61 20-61 20-61 20-61 20-61 20-61		Ped to Market By Hater	11,	: Locally : for : Domestic : Purposes	Used in Manu- facture of Coke	Total Produc- tion of Coal	Total Produc- tion of Coke	Aver- age Days	No. of Em-	Fatal acci-	Non- fata
nes Co. (continued) 651-11 551-13 Total 1nc. 20-53 20-55 20-55 20-61 20-61 20-61 20-61 20-61 20-61 20-61	By Rail 32, 982 9,993 114,450 13,143 7,095 15,217 1,949 16,079 2.5	By Water	By Truck 11,892 34,408	: for : Domestic : Purposes	Manu- facture of Coke	Produc- tion of Coal	Produc- : tion of Coke	age Days Worked	No. of Em-	Fatal acci-	fata
Les Co. (continued) (51-1) (51-1) Total Total Linc. 20-55 20-55 20-61 20-61 20-61 20-61 20-61 20-61	: Bail : Rail : 32,982 9,993 114,450 13,143 7,095 15,217 1,949 1,949 1,949	Nater Nater	11,892 34,408 867	Durposes	facture of Coke	tion of Coal	tion of Coke	Days	of Em-	acci-	3001
Co. (continued) (551-13 (551-13 Total Tnc. 20-53 20-55 20-55 20-59 20-61 20-61A2	32,982 9,993 114,450 13,143 7,095 15,217 1,949 1,949 1,949		11,892		200	or coar	OT COLD	MOLKEG.	. 1	1 1 1 1	1
651-11 651-13 761-13 761-13 761-13 70-54 70-55 70-59 70-59 70-59 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61 70-61	32,982 9,993 114,450 13,143 7,095 15,217 1,949 1,949		11,892 34,408 867						proyes	dents	aents
651-13 Total Inc. 20-53 20-55 20-55 20-61 20-61A2	9,993 114,450 13,143 7,095 15,217 1,949 16,079		34,408			44,874		209	21	,	3
Tnc. 20-53 20-54 20-55 20-59 20-61 20-61A2	114,450 13,143 7,095 15,217 1,949 16,079		34,408		1	9,993	1	115	00		ı
Inc. 20-53 20-54 20-55 20-55 20-61	13,143 7,095 15,217 1,949 16,079		867	1,114	-	149,972	-		99		4
20-53 20-54 20-55 20-59 20-61 20-61 20-61 20-61	13, 143 7,095 15,217 1,949 16,079		867								
20-54 20-55 20-59 20-61 20-61A2	13,143 7,095 115,217 1,949 16,079 325			1	1	867	1	320)	115)		1
20-55 20-59 20-61 20-61A2	7,095 15,217 1,949 16,079		1 1			13,143		^	^	ı	1
20-59 20-61 20-61A2	15,217 1,949 16,079 325	1 1 1 1	1			7,095	ı	^	_	1	1
20-61 20-61 20-61A2	1,949 16,079 - 325			1	ı	15,217	1	^	_	1	1
No. 20-61A2	1,949 - 16,079 - -	r i	106,667			106,667	1	_	_	1	1
- 20 00 - 22	16,079	1	, 1	1		1,949	1	^	_		1
No. 20-05	16,079 325 -		2,607	ı	1	2,670	-	_	_	1	1
No. 20-66	325		ı	1		16,079	ı	^	^	1	ı
No. 20-67	1	ı	ı			325	1	^	_	•	1
No. 20-67A			41,413	1	1	41,413	ı	^	^	1	1
No. 20-69	•		84,910	t		84,910	1	^	^	1	1
No. 20-70	t	t	57,697	ı		57,697	1	^	^	,	1
Strip Permit No. 20-74 Somerset			48,304	1	-	48,304	ı	^	^	1	1
	53,808	1	342,465	-	1	396,273	ı		115		
S & S Coal Co.											
Strip Permit No. 534-7(f) Somerset	•	1	49,078	t	ı	49,078	ı	238	4	ı	1
Sanner Bros. Coal Co.											
Strip Permit No. 308-20 Somerset	1		25,317	ı	ı	25,317	ı	259	4		1
Scurfield Coal, Inc.											
Strip Permit No. 256-11 Somerset	t	1	7,224		ı	7,224	ı	168	2	1	t
<b>&gt;</b>			10 000			10 000		070	и		-
Strip Permit No.776-2 Somerset		ı	19,223	,	ŧ	19,223	ı	617	1		
			250 13			51 276		238	17.)		
,4A,4AZ	ŧ	ı	017,10		ı	100 000	1	000	(+1	1	-
Strip Permit No. 1855-7 Somerset		1	199,225		-	199,225		220	1		-1
Total		-	250,501		-	250,501			174		-
								i	,		
	t					ı	t	14	(1	ı	ı
Special Project No. 461 Somerset	1	•	1	1	-		'	74		-	-
Total		t	ı	1	ı	t	ı		1	ı	ı
Summit Mines, Inc. Strin Permit No. 1860-4 & 4A Somerset		ŧ	5,406		t	5,406	-	93	2	,	
Sun Coal Co.											
Strip Permit No. 1441-5 Somerset	,	ı	32,329		ı	32,329	ı	308		t	1

## District 40A

			Produ	Production of Coal & Coke - Net Tons	L & Coke - Ne	t Tons						
					: Coal Used	Coal						
		: Shi	Shipped to Market	t	: Locally	Used in	Total	Total	: Aver-		~	Non-
					: for	Manu-	Produc-	Produc-		No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion		of Em- acci- acci-	acci- a	acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents	dents
Strip Permit No. 1441-6	Somerset	٠	,	34.932	,	,	34.932	,	260	=	,	
Strip Permit No. 1441-7	Somerset			37,697	•	ı	37,697	,	231	9	,	,
Strip Permit No. 1441-8	Somerset		•	7,397	•	,	7,397	1	185	m	,	1
Total				112,355			112,355	-		23		
Three S Coal Co.												
Strip Permit No. 824-4	Somerset		•	5,116	,	,	5,116	,	101	2)		,
Strip Permit No. 824-6	Somerset		٠	9,912	,		9,912		172	^		
Strip Permit No. 824-11	Somerset			4,108			4,108	1	164	2		,
Total			٠	19,136	-	1.	19,136			2		
Walker, Robert H.												
Strip Permit No. 1474-1	Somerset	•	•	6,142	•	,	6,142	ı	268	1	ı	,
Will's Construction Co.												
Strip Permit No. 1841-1	Somerset		-	4,091	1	-	4,091		137	80	,	۱
District Total		288,697	٠	1,335,696	13,650	,	1,658,043	,	240	478	1	∞
NOTE: (a) Completed. (b) Unreported coal on 1978 Report. (c) Backfilled and planted. (d) Backfilling only. (e) Stockpiled. (f) Information taken from monthly reports as no Annual Report was submitted.  * Men included with those at other operations, same company.	Report. monthly repor	Report. onthly reports as no Annual Report at other operations, same company.	Report was su npany.	ibmitted.								
				District 41								

15 20 10 27

238 84 189

60,874 -17,169 78,043

1 1

60,874 17,169

Somerset Somerset Somerset

Alumbaugh Coal Corp. Strip Permit No. 84-7 Strip Permit No. 84-8 Strip Permit No. 84-10

Total

202

Production of Coal & Coke - Net Tons

					: Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		N	Non-
		••			: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	- 4
		: By	By	By	: Domestic	facture	tion	tion	m	of Em-	of Em- acci- acci-	1 1
Uperators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	ס	ploves	Worked ploves dents dents	nts
Badger Coal Co., Inc.				7 0 1			10 / 10		6	,		
Strip Permit No. 323-30030A	Somerser	1	•	12,430	•		12,450	•	671	n (		
Strip Permit No. 325-6A2 & 8	Somerset		•	45,175	-	-	45,175	'	239	~		. 1
Total				57,625	•		57,625			9		. 1
Bigan Coal Co., M.H.												
Strip Permit No. 657-5	Somerset		•	10,400			10,400	1	77	2		
Bigan Estate, J. E.												
Strip Permit No. 291-5	Somerset			6,284		•	6,284		189	3		
Blue Lick Coal Co., Inc.												
Strip Permit No. 1657-6	Somerset		•	638			638		127	2		,
Strip Permit No. 1282-2 & 3(a)	Somerset		,	•	•	•	,	•	72	10		
Brant Coal Co., Inc.												
Strip Permit No. 194-4	Somerset		•	3,336			3,336		88	(7		
Strip Permit No. 194-7(a)	Somerset		1	•		•	. 1	•	39	_	,	
Total		•	-	3,336			3,336			_		١.
C & P Coal Co., Inc.												ı
Strip Permit No. 298-6	Somerset		•	29,576			29,576	1	300	00		,
Coal Junction Coal Co.												
Strip Permit No. 45-21	Somerset		ī	2,046			2,046		116	2		,
Diamond T Coal Co., Inc.		;										
Strip Permit No. 554-1	Somerset	53,204					53,204	ı	202	15		
Strip Permit No. 554-2	Somerset	148,719	-	•	•		148,719		274	26	1	_
Total		201,923	•	•	•	•	201,923	1		41	,	l
Drummond Coal Co., Inc.												
Strip Permit No. 1635-3	Somerset	•	•	17,279	1		17,279	•	201	4		
Strip Permit No. 720-1A4	Somerset	•	,	4,299	,	,	4,299	•	157	(7		
Strip Permit No. 720-2A(b)	Somerset	•	•		•	1	'	1	10		,	
Strip Permit No. 720-3	Somerset		1	6,015	•	1	6,015	1	115	_		
Total			•	10,314		1	10,314	-		4	-	
Fetterolf Coal Co., Inc., M.F.												
Strip Permit No. $216-24(c)$	Somerset		•		1		•		28	က		
Strip Permit No. 216-43 & 49	Somerset	-	•	29,656	-	•	29,656	-	173	13	1	3
Total			•	29,626	•	•	29,626	•		16		_
Glessner Mines												
Strip Permit No. 1612-2	Somerset		ı	36,776	ı		36,776		279	14	1	2
Strip Permit No. 1348-1 (a)	Somerset	,	1	1	1	ı	,		00	1)		

			Produc	Production of Coal	A Coke - Not Tone	Tone						
						Coal						
		: Sh	Shipped to Market		. Locally	Used in	Total	Total	: Aver-		Z	Non-
		By By	Ву	By	: tor ; Domestic	Manu- facture	Produc- tion	Produc- tion	: age : Days	No. Fatal fatal of Em- acci- acci-	Fatal fatal acci- acci-	fatal acci-
Uperators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked ployes dents dents	ployes	dents d	lents
5	Somerset	•	•	ı	,	,	1	,	6	-		
Strip Permit No. 1348-3(a)	Somerset			•	1	•	1	ı	· ru	_	,	,
Strip Permit No. 1348-4(a)	Somerset		•	•	•	•	1	ı	75	~	,	
Strip Permit No. 1348-5	Somerset	•	1	5,275	•	,	5.275	,	88	14)	,	1
Strip Permit No. 1348-6	Somerset	•		22,417	,	•	22,417	,	146	;	,	2
Strip Permit No. 1348-7	Somerset	-		102,638			102,638	ı	118	_	,	7
Total				130,330	-		130,330	1		15		4
Heshbon Coal Co., Inc.												
Strip Permit No. 200-3	Somerset	•		5,527	ı	ı	5,527		230	9	ı	ı
Strip Permit No. 1191-3	Somerset			1	,	1	1		(756)	12)	,	-
Strip Permit No. 1191-4	Somerset	•	٠	17,757		•	17,757	,	(+)	77		- 1
Strip Permit No. 1191-6(d)	Somerset			15,886		,	15,886	1	`	~	,	1
Total			-	33,643	1		33,643			12		-
	Somerset			5,977	1		5,977	1	83	21)	ı	
	Somerset			2,603			2,603	ı	31	^	1	ı
	Somerset			36,090			36,090	ı	263	^	ı	ı
Strip Permit No. 1198-6	Somerset			27,027			27,027	1	170	^	1	ı
Strip Permit No. 1198-7	Somerset		-	24,003		1	24,003	1	263		,	ı
Total			•	95,700	•	-	95,700			21	ı	-
Lasky Construction Co., Inc.												
Strip Permit No. 217-8	Somerset								47	21)	1	ı
Strip Permit No. 217-90	Somerset			•			1	1	62	^	,	•
Strip Permit No. 217-10	Somerset			112,664	-	-	112,664	'	247			
Total				112,664	'	-	112,664	1		21		
Lochrie Coal Co.				1						,		
PBS Coals. Inc.	Somerser		1	20,587			20,587		210	٥	ı	
Strip Permit No. 222-6	Somerset	51,984	•	•	,	,	51,984		273	20	1	,
	Somerset							1	47	3	,	ı
	Somerset	86,689				•	86,689	1	273	20	ı	•
Strip Permit No. 222-28	Somerset	27,333	1	-	-	-	27,333	1	273	13		
Total		166,006	1	•	1	1	166,006	1		56	1	
Schmidt, William Strip Permit No. 1531-1 & 1A	Somerset		1	7 991	,	,	7 991	,	135	-		
Scurfield Coal, Inc.				4006			1006			4		
Strip Permit No. 256-8	Somerset	1		31,817	•		31,817		250	10	,	ı

Production of Coal & Coke - Net Tons

					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		~	Ncn-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em- acci- acci-	acci- a	cci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents dents	dents 3	lents
Scurffeld Coal, Inc. (continued)	4		,	31 665			31 665		250	σ		
Strip Fermit No. 256-12	Somerset			41,343			41,343	1	235	13		,
Total				104,825	1	-	104,825	-		32		
Shade Mining Co.												
Strip Permit No. 1179-3A	Somerset	•		31,880			31,880	•	206	10)		ı
Strip Permit No. 1179-5	Somerset	•		4,020	•		4,020	1	105	^	ı	ı
Strip Permit No. 1179-6	Somerset			36,565	1		36,565		208	17)	ı	ı
Strip Permit No. 1179-6A2	Somerset	•		7,710	•		7,710		40	^	1	1
Strip Permit No. 1179-7	Somerset	•	1	55,225	•		55,225		246	15)	,	ı
Strip Permit No. 1179-8	Somerset	1		7,370			7,370		181			ı
Auger-BAM-950	Somerset			1,370	•		1,370	,	42	2)	,	ı
Auger-BAM-951	Somerset	•		3,510			3,510	1	53	^		1
Auger-BAM-966	Somerset		•	1,240	•	1	1,240	1	10			
Total			1	148,890	•	-	148,890	1		44		
Shaffer, Myron				010 00			010	,	300	٣	1	-
Strip Fermit No. 339=3	Somerser		1 1	15 573	۱ ۱	١ ،	15 523		230	n ~		۱ ۱
Total	200000			38 342			38.342			9		-
Summit Mines, Inc.				71.00								
Strip Permit No. 1860-2,2A,2A2	Somerset	100,000		10,213			110,213	1	308	4	1	ı
Strip Permit No. 1860-3,3A3A2	Somerset	8,000	•	1,124	1		9,124	1	124	2	•	1
Strip Permit No. 1860-5	Somerset	28,700		2,204	,		30,904	ı	6	20	1	1
Strip Permit No. 1860-6	Somerset	21,140		2,402	1		23,542	1	6	16		ı
Auger-BAM-1022	Somerset		1	3,456	1	1	3,456	'		,	-	
Total		157,840	1	19,399	1	-	177,239	-		42	•	-
Three S Coal Co.												,
Strip Permit No. 824-2	Somerset	•		19,753			19,753	ı	249	12)	ı	_
Strip Permit No. 824-5	Somerset			33,544	1		33,544	1	249		ı	ı
Strip Permit No. 824-8	Somerset			18,796			18,796	1	128		ı	ı
Strip Permit No. 824-9	Somerset	-	-	6,973	•	-	6,973	'	106		-	-
Total		1	•	990,62	1	-	79,066	-		12	1	-
W. W. Coal Co.										i		
Strip Permit No. 594-3	Somerset	•		1 3	. '		1 3	ı	42	~	ı	ı
Strip Permit No. 594-5	Somerset			9,628	53		9,681		236	~ ^	ı	1
Strip Permit No. 594-6	Somerset		ı	1	1	ı	ı		77		ı	

District 41

			Frodu	ction or coal	Froduction of Coal & Coke - Net Tons	Lons						
					: Coal Used	Coal						
		:	Shipped to Market	t	: Locally	Used in	Total	Total	Aver-		N	Non-
					: for	Manu-	Produc-	1	age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	20	- mg	acci- ac	1100
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke . Morked alone done done	Morlod	1010	don't d	1 4
W. W. Coal Co. (continued)							450	27 2000	HOT VOT	proyes	neurs de	enrs
Strip Permit No. 594-7	Somerset		•	19,934			19,934	•	290	_		
Strip Permit No. 594-8	Somerset		•	7,528		,	7,528	,	186	_		
Total			٠	37,090	53	-	37,143			-		١.
Windber High Standard Coal Co.												
Strip Permit No. 246-4 & 4A	Somerset		•	•		,	•	•	20	*		
Strip Permit No. 246-7 & 7A2	Somerset	•		35,391			35,391	,	269	9	1	
Strip Permit No. 246-8	Somerset	•		22,964	•		22,964	,	265	9		
Strip Permit No. 246-11	Somerset			24,876			24,876	,	225	4		
Auger-BAM-914	Somerset			16,711			16,711	,	88	3)		
Auger-BAM-972	Somerset			4,085	-	-	4,085	•	19	_		
Total			•	104,027		•	104,027			19		
Yantus, Steve												
Strip Permit No. 1707-1	Somerset			25,700			25,700		210	2		
Auger-BAM-995	Somerset			3,500	•	•	3,500	-	25	n		
Total		-		29,200		•	29,200	•		8	•	
Zubek, Edward												
Stilp Fermit NO. 1/00-1	Somerset		-	39,383	-		39,383		246	7		
District Total		525,769	•	1,288,637	53		1,814,459	,	239	195	- 14	4

NO TE:

\* 9009

Backfilled
Backfilled and planted
Completed
Backfilling
Men included with those at other operations, same company.

			Produc	Production of Coal	& Coke - Net Tons	Tons					
						Coal					
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		Non-
					: for	Manu-	Produc-	Produc-	326	No.	Fatal fatal
		: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci-acci-
Operators and Mines	County	Kall	warer	Lruck	: Furboses	or Coke	of Coal	ot Coke	Worked	ployes	Worked ployes dents dents
Ace Drilling Coal Co., Inc. Strip Permit No. 218-12	Cambria	,	,	,	,	,	,	,	243	e	
Strip Permit No. 218-14	Cambria	•	1	1		,	1	ı	243	6	'
Strip Permit No. 218-17	Cambria	1,833	•	51,609		•	53,442	1	342	18	
Strip Permit No. 218-18	Cambria	. •	•	3,831		1	3,831	1	243	5	,
Strip Permit No. 218-19	Cambria							,	243	4	
Strip Permit No. 218-22	Cambria	•	•	78,249	,	,	78,249	,	243	9	
Strip Permit No. 218-24	Cambria	1,827	•	62,097	•	-	63,924	-	243	∞	-
Total		3,660	-	195,786	1	•	199,446			47	•
Bender Coal Co., E.P.										1	
Strip Permit No. 593-10	Cambria	40,154	•	6,155			46,312		299	23	
Strip Permit No. 593-14	Cambria	73,849	•	11,325			85,174		299	9	
Strip Permit No. 593-16	Cambria	775					775		23	-k	
Strip Permit No. 593-17	Cambria	39,133	1	6,002			45,135	1	246	9	
Strip Permit No. 593-19	Cambria		•	3,052		•	3,052	,	10	*	
Strip Permit No. 593-20	Cambria	46,852	•	7,185		•	54,037		299	c	
Strip Permit No. 593-21	Cambria	17,502	•	-	-	•	17,502	-	23	*	
Total		218,265		33,722	-	-	251,987	1		38	- 1
Benjamin Coal Co.											
Strip Permit No. 64-122	Cambria	37,727	1				37,727	1	189	12	
Bentley Coal Co., Inc.											
Strip Permit No. 938-4 Refuse	Cambria	•	1	,			ı	ı	62	_	1
Cambria Coal Co.											
Strip Permit No. 1206-4	Cambria	168,424		•			168,424	ı	357	15	
Strip Permit No. 1206-6	Cambria	10,228		•			10,228		299	15	
	Cambria	72,451					72,451	ı	357	15	
	Cambria	231,226					231,226	ı	345	15	
	Cambria	27,224	•	•			27,224	•	73	*	
Strip Permit No. 1206-33	Cambria	81,087		•			81,087	ı	293	14	
Strip Permit No. 1206-38	Cambria	105,147	•	•		ı	105,147		335	15	
Auger-BAM-757	Cambria	8,803	-	-	1	-	8,803		59	*	-
Total		704,590	13	-	-	-	704,590	-		89	1
Coal Utilities Corp.	Cambria	•					•	,	ī.	(9	,
String Downst No. 1120-5	Cambria	1	٠	21 408	,		21.480	,	105		
Strip Permit No. 1120-7	Cambria			24,73			24,420	1	152	~ ~	1
Strip Permit No. 1120-8	Cambria	•		8,971	•	1	8,971		40	`~	
Total				54,606			909,45			9	-

			Prod	Production of Coal & Coke - Net Tons	1 & Coke - Ne	Tone						
					: Coal Hand	Coal						
			Shipped to Market	tet	: Locally	Used in	Total	Total	: Aver-			Non
					: for	Manu-	Produc-	Produc-	age	No.	Faral faral	fatal
Operators and Mines	County	: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-		acci-
Cooney Bros. Coal Co.		101		Luck	: rurboses	or coke	or coal	ot Coke	: Worked	Worked ployes	dents	dents
Strip Permit No. 238-1	Cambria	18,405	1	•	•	•	18,405	1	200	11	1	
Strip Permit No. 238-2	Cambria	. '		1	1	,	. 1	ı	196	3	,	ı
Strip Permit No. 238-3	Cambria	150,000	-	100,750	•	1	250,750	1	235	20	,	ı
Strip Permit No. 238-10	Cambria	54,750	-	. '		•	54,750	1	235	11	,	ı
Strip Permit No. 238-14	Cambria	20,840	-	•	•	•	20,840	•	217	7	,	ı
Strip Permit No. 238-15	Cambria	111,640	-		•	,	111,640	ı	235	6	,	ı
Strip Permit No. 238-16	Cambria	34,900	-				34,900	ı	235	œ	,	ı
Strip Permit No. 238-17	Cambria	61,190	-	•			61,190	6	235	00	•	ı
Strip Permit No. 238-18	Cambria	45,430	-		•	•	42,430	ı	235	6	,	ı
Strip Permit No. 238-19	Cambria	103,780	-	٠		,	103,780	1	235	6	1	ı
Strip Permit No. 238-20	Cambria	107,830	-	•	,		107,830	ı	235	11	ı	
Strip Permit No. 238-22	Cambria	114,530	-	-			114,530	1	235	9	1	1
Total		820,295	-	100,750	٠		921,045	1		112	,	ı
Fran Contracting, Inc.												
Strip Permit No. 1073-11	Cambria	•	•	80,752		•	80,752	1	120	4	ı	1
Strip Permit No. 1073-11A	Cambria	1	•	32,724		1	32,724	ı	120	2	ı	ı
Strip Permit No. 1073-15	Cambria	1	•	43,367	-	1	43,367	1	120	5	1	1
Total				156,843			156,843	ı		11		2
GMK Co.												
Strip Permit No. 946-2 Refuse(a)	Cambria	٠	•	6,873		ı	6,873	ı	70	6	1	ı
Halstock, Inc.												
Strip Permit No. 1641-1	Cambria	•	•	9,326		ı	9,326	ı	180	7	ı	ı
Hepburnia Coal Co.									,			
Trensfor Tiel Co Tre	Cambria	•		4,33/			4,33/	ı	49	7	ı	
Strin Permit No 1575-1 2 & 3	Cambria		٠	682 76	,	,	087 799	•	300	18		
Kolak, John									)	9		
Strip Permit No. 1433-2 &												
Special Project No. 567(b)	Cambria	•	1	•		,	•		144	3	ι	ı
Lawrence Resources							;					
Strip Permit No. 1619-1, 2 & 3	Cambria	•		14,752		1	14,752	1	200	9		
Lechene Coal Co., Inc.	o parks	7 596		, 00%	1		11 680	1	O.	00	1	
M & K Coal Co.	Campita	1,000		t 00 <b>6</b> t			200644		3	4		
Strip Permit No. 747-1 Refuse(a)	Cambria	1	•	29,529	•		29,529		155	21	1	1

			Produ	Production of Coal & Coke - Net Tons	& Coke - Nei	Tons						
					: Coal Used	Coal						
		Shir	Shipped to Market	ţ	: Locally	Used in	Total	Total	: Aver-			-uoN
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion		of Em- acci-	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	: Worked	Worked ploves dents dents	dents	dents
M & M Mining, Inc.												
Strip Permit No. 1207-8	Cambria			31,858		1	31,858	1	264	10	,	ı
Strip Permit No. 1207-10	Cambria	1	1	24,973		•	24,973	1	139	00	,	1
Strip Permit No. 1207-14	Cambria		-	3,920		1	3,920	1	58	*	,	ı
Total				60,751	1		60,751	1		18		
Mazzarella Coal Co.												
Strip Permit No. 1773-1	Cambria			2,360		1	2,360	1	95	3	ı	ı
Peles Coal Co., Inc.												
Strip Permit No. 612-7 & 7A	Cambria			80,932			80,932	1	250	11	,	1
Pennsylvania Energy Corp.												
Strip Permit No. 921-5	Cambria			66,927			66,927	ı	299	16	,	ı
Ridge Mining Co.												
Strip Permit No. 654-1	Cambria	99,713		11,107		,	110,820	,	298	8	ı	,
Universal Minerals, Inc.												
Strip Permit No. 1116-2 Refuse	Cambria	1	1	15,841	1	,	15,841	1	105	4	1	ı
Strip Permit No. 1116-3 Refuse	Cambria	1		66,015		1	66,015	1	256	33	,	3
Strip Permit No. 1116-4 Refuse	Cambria		-	26,590	-	1	26,590	1	106	*	ı	2
Total			1	108,446	1		108,446	-		37		5
Wesott, Inc.												
Strip Permit No. 1465-3	Cambria	1	1	50,140	1	,	50,140	1	240	4	ı	ı
Strip Permit No. 1465-4	Cambria			12,569	-	-	12,569	-	240	3	ı	1
Total			-	62,709	-	ŧ	62,709			7	1	1
District Total		1 891 836	ı	1 008 582			000 710		37.0	,00		c
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1,071,000		1,070,002		•	7,330,410		647	204		٧.

Information taken from monthly reports as no Annual Report was submitted. Backfilling. Men included with those at other operations, same company. Auger by contractor. (a) (b) (a) \* \* NOTE:

			Product	ion of Coal	Production of Coal & Coke - Net Tons	Tons			ļ			
					Coal Used	Coal						
		Ship	Shipped to Market		Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	: age	No.		Fatal fatal
Operators and Mines	County	By Rail	By Water	By Truck	Domestic	facture of Coke	tion of Coal	tion of Coke	: Days	Days of Em- Worked bloves	acci-	acci- acci-
Andray Mining Co.							4			200	200	acino a
Strip Permit No. 1771-1	Clearfield				6,269	ı	6,269	ı	29	4	ı	ı
Strip Permit No. 164-23 & 24	Clearfield	55,279	,	i	,		55,279	ı	232	6	1	1
Avery Coal Co., Inc.												
Strip Permit No. 584-16 Benjamin Coal Co.	Clearfield	15,000	ı				15,000	ı	227	11	1	2
Strip Permit No. 64-106	Clearfield	1,194	,	ı	,	,	1,194		19	*	ı	ı
Strip Permit No. 64-111	Clearfield	384,323	1	1		1	384,323		248	21	ı	2
Strip Permit No. 64-144 & 145	Clearfield	115,111	•	•		1	115,111	1	248	19	ı	1
Strip Permit No. 64-174	Clearfield	2,390	•	1	1	,	2,390	1	85	*	1	ı
Strip Permit No. 64-180	Clearfield	29,250	1	1		ı	29,250	1	243	9	•	2
Strip Permit No. 64-184	Clearfield	121,167	•	ı		ı	121,167		248	21	ı	2
Strip Permit No. 64-185	Clearfield	57,146	•	ı		,	57,146	1	182	11	,	1
Strip Permit No. 64-190	Clearfield	46,367		1		ı	46,367	1	246	7	ı	ı
Strip Permit No. 64-199	Clearfield	34,819	•	-	•	-	34,819	,	181	10	1	3
Total		791,767	•	•	•	•	791,767	1		95		=
Cambria Coal Co.												
Strip Permit No. 1206-25	Clearfield	76,830	•		•	ı	76,830	ı	357	15		ı
Strip Permit No. 1206-26	Clearfield	68,177					68,177	ı	357	15	ı	ı
Strip Permit No. 1206-27	Clearfield	66,618	•	•	•	1	66,618	'	357	14	'	
Tota1		211,625	•	1	1	-	211,625	1		7,5	1	
Cambria Mills Coal Co., Inc.												
Strip Permit No. 548-8	Clearfield			36,453			36,453	ı	240	10	ı	7
Auger-BAM-969	Clearfield		•	7,149	•		7,149	•	75	~		
Total			•	43,602	•		43,602	'		13	-	-
Central Pennsylvania Coal Co.												
Strip Permit No. 1946-1	Clearfield			15,186			15,186		77	2		ı
Dominion International, Inc.				000			000		000	t.		
Strip Permit No. 1683-1	Clearfield			23,807		1	23,807		299	5		ı
Empire Coar CO., Inc. Strip Permit No. 69-42	Clearfield	278 385	•	,	,	1	278,388	,	251	41	1	~
Strip Permit No. 69-58	Clearfield	1,149		•		•	1,149	1	19	4	,	. 1
Total		279,537				•	279,537	-		45		3
Flango Bros. Coal, Inc.												
Strip Permit No. 161-10 & 12	Clearfield	33,118		8 3/.7	1 1		33,118		294	00 00		
Total	סדפמודופדי	36-731	•	8.347	'   '		45,078		777	16		
4 5 5 6 6 7 7		201600		2521			212661					

			Product	ion of Coa	Production of Coal & Coke - Net Tons	: Tons						
					: Coal Used	Coal	,				,	
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		4	Non-
					: for	Manu-	Produc-	Produc-	age	No.	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion	: Days		acci- a	-icci
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Worked	ployes dents	dents	dents
H & T Coal Co.												
Strip Permit No. 1513-1	Clearfield				25,837	,	25,837		174	10		
Hamlin Coal Co., Inc.												
Strip Permit No. 536-8	Clearfield			60,344			60,344		546	24	ı	ı
Head Coal Co.												
Strip Permit No. 124-10 & 10A	Clearfield	•	•	58,656			58,656		275	11	,	,
Hepburnia Coal Co.												
Strip Permit No. 14-43 & 43A	Clearfield	17,554	•	•			17,554	1	143	3	ı	1
Strip Permit No. 14-51	Clearfield	10,791	•	•			10,791		90	4		,
Strip Permit No. 14-52	Clearfield	51,641	•	•			51,641		244	12	,	1
Strip Permit No. 14-54 & 54A	Clearfield	11,427	•	•			11,427	,	105	4		,
Strip Permit No. 14-59	Clearfield	22,647	,	•		•	22,647	,	244	7		,
Strip Permit No. 14-65	Clearfield	110,395	•	•			110,395	•	243	œ	•	1
Strip Permit No. 14-67	Clearfield	29.044	•	•			29,044		266	7	,	-
Ctrin Dormit No 1/-69	Clearfield	15 959			,		15 959		98	*	,	
00-1-1	Oreattrera	250 750					260 7.50		3	1.5		2
local		269,430	-	-	-		004,607			4		1
Iraca Coal Co., Joe G.				100			100		0	u		
Strip Permit No. 16/5-2	Clearfield			23,128			23,178		767	0		
K & J Coal Co.												
Strip Permit No. 56-8, 19,												
44, 55 & 57	Cambria	370,920		44,663	58,418(a)		474,001	•	290	160	ı	4
Kann Coal Co., Inc.												
Strip Permit No. 1714-1, 2,												
5, 12 & 13	Clearfield	479,586	•	,	1	1	479,586	•	360	92	ı	28
Ledgeville Coal Co.												
Strip Permit No. 1759-1	Clearfield		•	13,216	1,075		14,291	1	275	7	ı	ı
McDonald Land & Mining Co., Inc.												
Strip Permit No. 659-17	Clearfield	16,425	•				16,425	1	62	4	ı	,
P & N Coal Co., Inc.												
Strip Permit No. 32-76	Clearfield	12,923		,	1	1	12,923	1	144	17)	ı	,
Strip Permit No. 32-79	Clearfield		•	,				ı	52	^	ı	ı
Strip Permit No. 32-87	Clearfield	16,157	•	•			16,157	,	146	^	,	1
Strip Permit No. 32-81	Clearfield	57,658	ı	•	ı		57,658	ı	246	11		
Total		86,738	1	1	1		86,738	1		28	-	
Peles Coal Co., Inc.												
Strip Permit No. 612-4 Pike Coal Co.	Clearfield	,	•	30,618			30,618		250	3	ı	1
Strip Permit No. 430-30	Clearfield		•	37,572	,	ı	37,572		240	6	,	,

			Produc	tion of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-	Produc-	age:	No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion	ro	of Em- acci- acci-	acci-	acci-
Operators and Mines	County	Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	p	ployes	dents	dents
Ryan Brothers Coal Co.												
Strip Permit No. 31-10	Clearfield	•	•	974	,	•	974	1	301)	(8	ı	٠
Strip Permit No. 31-11	Clearfield		•	11,403	•	•	11,403	,	_	_	,	ı
Strip Permit No. 31-12	Clearfield		•	22,511	•	•	22,511	ı		_	,	ı
Total				34,888			34,888			000		
Shale Hill Coal Co.												
Strip Permit No. 598-7, 13, 17,												
23 & 25	Clearfield	50,438	•	•	,	,	50,438	,	305	00	,	•
Strip Permit No. 598-9, 10 & 19	Clearfield	33,929			,	•	33,929	,	305	9	1	7
Strip Permit No. 598-20	Clearfield	1,213	•		,	•	1,213	1	30	3	,	ı
Strip Permit No. 598-21	Clearfield	33,351		•	•	•	33,351	,	305	4	,	ı
Strip Permit No. 598-24	Clearfield	41,680		41,681	,	,	83,361	,	305	18		ı
Strip Permit No. 598-29	Clearfield	-	1	1,799	1		1,799	,	97	*	,	ı
Total		106,611	•	43,480			204,091			39		-
Simca Mining, Inc.												
Strip Permit No. 529-7	Clearfield		•	9,184	•	,	9.184	1	77	11	,	1
Strip Permit No. 529-11	Clearfield			541	•	•	541	,	6	*	,	ı
Strip Permit No. 529-14	Clearfield		•	18,930	•	•	18,930	,	251	12	,	1
Total			•	28,655			28,655			23		2
Sky Haven Coal, Inc.												
Strip Permit No. 1812-21	Clearfield	•	•	60,964		•	60,964	1	260	11	,	1
Stott Coal Co., Inc., James M.												
Strip Permit No. 278-21	Clearfield	38,283		•			38,283	•	199	6		ı
Washington Hill Coal Co., Inc.												
Strip Permit No. 1885-1	Clearfield		•	9,836	-	-	9,836	-	252	4		
District Total		2,811,960	•	566,962	91,599	,	3,470,521	,	273	746	,	57

NOTE: (a) Stockpiled. \* Men included with those at other operations, same company.

			- 4			8						
			Producti	Production of Coal	ŏ	Suo!						
					Coal Used	Coal	1 - 1	E			7	
		dius	snipped to магкет		Locally	Mean in	Desdus	Decal	1.	No.	Non-	
		By.	Bv	Ву	Domestic	facture	tion	tion :	Days C	Em-	racal racal acci- acci-	1 1
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	Ð	ployes de		S
Avery Coal Co., Inc.	7	25.00					35 007		170	7		
Strip Permit No. 584-5,37,42	Clearfield	2,755					2,755		140	. 5		
Tota	_	38,742	-	1	1	-	38,742			12	1	1
Benjamin Coal Co.												
Strip Permit No. 64-126	Clearfield	31,301		1	1	1	31,301	ı	163	40	1	
Strip Permit No. 64-133	Clearfield	46,521		1			46,521		236	× ·	1	
	Clearfield	6,601	,	ı		1	6,601	ı	28	*	1	
Strip Permit No. 64-173	Clearfield	66,024		1	1		66,024	1	248	14		
Strip Permit No. 64-193	Clearfield	62,289	-	-	-	1	62,289		248	14	1	1
Tota	-	212,736	1	-	-	1	212,736	-		700	1	1
Bowman, W. C.	C100x64014		,	2 416	245	,	2,661	,	136	-		
Bradford Cosl Co Inc	Cleatiteta			2147	7		1		1	•		
Strip Permit No. 61-26	Clearfield	1	,	15,841	1		15,841	1	243	(a)	1	
Strip Permit No. 61-28	Clearfield	-	-	61,612	1	1	61,612	-	261	(a)	-	-
Total	17		1	77,453	1	-	77,453	1			-	-
Brown, Inc., Earl M.												
Strip Permit No. 104-21	Clearfield	•		6,095			6,095		218	7 .	1	
	Clearfield	1		33,151	ı	ı	33,151	ı	238	12	1	
	Clearfield			39,677	ı		39,677	ı	228	<b>t</b>	1	
	Clearfield			26,584	ı		26,584	ı	218	٥	1	
	Clearfield	1		10,411			10,411	ı	200	k 、	1	
	Clearfield	1		19,667	ı		19,667	ı	208	4	1	
	Clearfield			6,993	1	1	2 588	1 1	13.5 80	k -k		
Strip Permit No. 104-38	Clearrield			17.6 166			17.6 166		6	30		1
Buill Bur Coal Co	1			140,100			140,100			3		1
Strip Permit No. 1164-4A1(b)	Clearfield		1	970.7	ı	1	4,046	ı	122	4	1	
Strip Permit No. 1164-5(b)	Clearfield	•		7,745	1		7,745	1	200	2	1	
Strip Permit No. 1164-5A(b)	Clearfield	1		1,431	1	1	1,431	1	35	*	-	
Total	_	2		13,222	1	1	13,222	1		9		
Coal Hill Contracting Co., Inc.	01000000	1		727 9	1		6.474	1	132	7	1	
Curtin Coal Co.	רדפמודופדה	ı		1								
Strip Permit No. 1616-1(b)	Clearfield	ı	ı	21,392	1		21,392		136	10	1	
Strip Permit No. 1489-1	Clearfield			5,852	1	1	5,852	1	258	4	1	
Strip Permit No. 1352-1	Clearfield	,	ı	ı	28,326	,	28,326	1	264	4	1	

			Product	ion of Coal	Production of Coal & Coke - Net Tons	f Tons						
					Coal Used	Coal						
		: Ship	Shipped to Market		Locally	Used in	Total	Total	: Aver-			Non-
			1		for	Manu-	Produc-	Produc-		No.	Fatal fatal	fatal
Operators and Mines	County	By Rail	By Water	By Truck	Domestic	facture of Coke	tion of Coal	tion of Coke	: Days : Worked	Days of Em-acci-acci- Worked ploves dents dents	acci-	acci-
Fleck Construction Co., G. C. Strip Permit No. 1677-1	Clearfield	•	•	2.674	•		2,674	•	65	9		
Fran Contracting, Inc.										,		
Strip Permit No. 1073-6 Strip Permit No. 1073-7	Clearfield			28,322			28,322 67,153		240 240	7 11		7
	Total		•	95,475		•	95,475			25		m
Gallagher Coal Co. Strip Permit No. 371-1	Clearfield	'	,	12,799	•		12,799	•	260	4		
Greene Contracting, Richard D.	Clostfield	,		25 223	•		25 223	,	173	7	,	
Hanilton Contracting Co., Al	1	ı		0116			,		1			
Strip Permit No. 533-1	Clearfield	•	•	•	ı	•	•	•	20	113)	,	
Strip Permit No. 533-8	Clearfield	•	•	87,777	1	•	87,777	•	261	^		
Strip Permit No. 533-9	Clearfield		•	3,768	•		3,768	•	55	^	,	
Strip Permit No. 533-11	Clearfield			25,436	ı		25,436	•	186	^		
Strip Permit No. 533-13	Clearfield		•	27,568	•	,	27,568	1	240	<u> </u>		-
Strip Permit No. 533-17	Clearfield			23,287	-	-	23,287	-	261			. -
	Total			167,836	•		10/,030	•		117		4
Hanslovan Coal Co., Inc., Ed							603			c		
Strip Permit No. 115/-4 Holland, Arden W.	Clearileid		•	3,503	•		5,003		17	n		
Strip Permit No. 661-1A2	Clear field	27,260	•	•	ı	•	27,260	•	113	9	,	
Jones Coal Co.												
Strip Permit No. 667-3	Clearfield	•	•	•	14,000		14,000		95	6		
Strip Permit No. 56-35, 36,												
39 & 45	Clearfield	•		39,370			39,370		240	2	ı	
Kausbick Bros. Coal Co.	Clearfield		•	23 183	•	,	23,183	•	212	4	,	
Lansberry Coal & Excavating Co.				601								
Strip Permit No. 543-262A	Clearfield		ı	19,415			19,412	•	180	9		,
Long Coal Co., A. W.	11.77			10 44.9			10 442		258	<		,
M & M Construction Co.	Cleariteid	•		10,445	1	1	744607		200	٠		
Strip Permit No. 1266-1A	Clearfield		•	20,438	ı	1	20,438	•	272	2		1
McGovern coal Co., Clair C. Strip Permit No. 440-3	Clearfield	•	•	18.947	,	,	18,947	•	292	5	1	,
	1											

Production of Coal & Coke - Net Tons : Coal Used Coal

		: Shi	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
		••			: for	Manu-	Produc-	Produc-	: age	No.	Fatal	Fatal fatal
		: By	By	By	: Domestic	facture	tion	tion	: Davs	of Fm-	acci-	acci- acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ploves dents	dents	dente
Penn Coal Co., Inc.												
Strip Permit No. 607-8	Clearfield	1	8	40,509	1	1	40,509	1	243	7	1	,
Strip Permit No. 607-9	Clearfield			448	1		448	1	6	*	1	1
Strip Permit No. 607-15	Clearfield	•	1	4,980	1	•	4,980	1	58	*	ı	
Strip Permit No. 607-16	Clearfield	1	•	178	1	•	178	1	4	*	1	1
Strip Permit No. 607-17	Clearfield	1	1	24,480	1	1	24,480	•	201	6	ı	•
Strip Permit No. 607-18	Clearfield		1	6,351		1	6,351	1	62	11	ı	ı
Total	1	1		76,946	1	1	76,946	1		24	,	
Pike Coal Co.												
Strip Permit No. 430-28	Clearfield	•	•	23,334	1	,	23,334	1	202	6	ı	1
Strip Permit No. 430-29	Clearfield		1	18,021	1	,	18,021	1	172	^	1	•
Total	1	1	1	41,355	1		41,355	1		6		
Power Operating Co., Inc.												
Strip Permit No. 1858-4	Clearfield	37,040		1	1	•	37,040	ı	285	6	1	•
Strip Permit No. 1858-10	Clearfield	978,4	1	1	•		4,846	•	298	3	1	1
Strip Permit No. 1858-13	Clearfield	56,510		1	1		56,510	•	295	22	ı	
Strip Permit No. 1858-15	Clearfield	126,384	•		•		126,384	1	302	17	1	2
Strip Permit No. 1858-16	Clearfield	172,039		1	1		172,039	1	302	19	ı	6
Strip Permit No. 1858-21	Clearfield	104,217	•	•	1	•	104,217	ı	302	15	ı	1
Strip Permit No. 1858-25	Clearfield	878,9	•	•	•	ı	8,848	1	107	*	ı	1
Strip Permit No. 1858-28	Clearfield	26,235	•		•		26,235	1	179	*	1	1
Strip Permit No. 1858-30	Clearfield	8,754	1	1	1		8,754	1	32	*	1	1
Total	1	542,873	-	-			542,873	1		85	1	12
Reese, Jr., Oliver P.												
Strip Permit No. 1852-1	Clearfield	٠	1	2,281	1	1	2,281	1	94	4	ı	1
Reese Brothers												
Strip Permit No. 539-2A	Clearfield	•	1	4,001			4,001	1	154	3	1	1
Strip Permit No. 539-3	Clearfield	•	•	23,311	•		23,311	1	142	3	1	ı
Strip Permit No. 539-7A	Clearfield	•	•	37,176	•		37,176	1	238	10	1	•
Strip Permit No. 539-8	Clearfield		1	598	1	•	598	1	82	*	ı	
Strip Permit No. 539-10	Clearfield			1		1	1	1	59	*	1	1
Total	1		٠	65,086	1		65,086	1		16		1
Roy Coal Co., Inc.												
Strip Permit No. 113-4	Clearfield	1	1	10,170	1		10,170	1	240	2	1	1
Stott Coal Co., Inc., James M.												
Strip Permit No. 278-16A2	Clearfield	11,890		1 -		1	11,890	1	188	2	ı	1
Strip Permit No. 278-16A2(c)	Clearfield	1 1	1	37,443	1		37,443	ı	240	6 ;	1	1
Strip Permit No. 2/8-1/A	Clearfield	66,602		1	•		66,602	ı	242	13	1	1

District 44

			Producti	on of Coa	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Shipp	Shipped to Market		: Locally	Used in	Total	Total :	: Aver-		-	Non-
					: for	Manu-	Produc-	Produc- :	age N	No. I	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion :	70	of Em- acci- acci-	cci- a	acci-
Operators and Mines	County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke :	771	loyes c	lents	lents
Stott Coal Co., Inc., James M (continued)	nued)											
Strip Permit No. 278-19(d)	Clearfield	•	•	19,225		•	19,225	•	247	9	1	ı
Strip Permit No. 278-20	Clearfield	83,821	•	1		•	82,821	•	245	14	,	ı
Total		162,313	1	56,668	1	1	218,981			47		-
Swistock & George												
Strip Permit No. 1638-8(b)	Clearfield	•	•	72,520	•	•	72,520	•	272	13	1	ı
T. & T. Clay Co.												
Strip Permit No. 1126-7	Clearfield	•		4,750	•	ı	4,750	1	72	12	ı	ı
Thompson Bros. Coal Co., Inc.												
Strip Permit No. 127-8	Clearfield		•	41,607	•	•	41,607	ı	243	10	1	ı
Strip Permit No. 127-12	Clearfield	•		90,230	•		90,230	1	243	2	ı	ı
Strip Permit No. 127-13	Clearfield			61,924	•	•	61,924	1	243	18	ı	ı
Total			•	193,761	1	ı	193,761	ı		33	1	1
Thompson Coal Co., Inc., John A.	0100064013		'	36 7.61			36 7.61		096	15		
Turner, W. B.	מובמו ודינות	ı	1	100	ı	ı	10t 600	ı	4	3	,	
Strip Permit No. 1576-1	Clearfield	•		44,928	ı	ı	44,928	ı	284	11	1	ı

Employes included with those for Al Hamilton Contracting Company. \* 909 NO TE:

18

586

123 241

614 2,344,312

42,571

983,924

District Total

Clearfield

Waring Coal & Clay Co. Strip Permit No. 1472-1

614 1,317,817

Information taken from monthly reports as no Annual Report was submitted. Contract stripped by Fran Contracting, Inc. Contract stripped by Ardell Hamer.

Men included with those at other operations, same company.

			Producti	on of Coal	Production of Coal & Coke - Net Tons	Tons			••			
					: Coal Used	Coal						
		Shipp	Shipped to Market		: Locally	Used in	Total	Total	: Aver-		.*	-non-
					: for	Manu-	Produc-	Produc-	: age	No.	Fatal	Fatal fatal
		By	By	By	: Domestic	facture	tion	tion.	: Days	of Em-	acci-	acci- acci-
Operators and Mines	County	Kail	Water	Truck	: Furposes	ot Coke	of Coal	ot Coke	: Worked ployes dents dents	ployes	dents	dents
Benjamin coar co. Strin Permit No. 64-128	Clearfield	107.484	,	,	ı	ı	107,484	ı	248	16	ı	,
	Clearfield	6 0	,		,	1		1	40	*	ı	-
Strip Dermit No. 64-149	Clearfield	13.653	,	1	1	,	13,653	1	62	27	١	١,
Ottal Downst No. 64-1/04052/07	Closeffold	200624		18 850			18 859	٠	115	ď		
Strip Fermit No. 04-149A2cc)(a)	ol 13	070 17	•	TO,022	1	1	71,000		121	, +		-
Strip Permit No. 04-150	Clearizeia	169 177		18 850			181 036		177	5.5	'   '	1 0
		177,201		10,022			101,030			75		1
Bison Coal Co., inc. Strip Permit No. 1942-161A	Clearfield		1	1,839	00	ı	1,847	•	59	2	1	1
Bitumco Mining Co., Inc.												
Strip Permit No. 1819-1&1A	Clearfield	•	,	3,952	1	ı	3,952	1	220	2	ı	,
Cardinal Coal & Contracting Co.												
Strip Permit No. 1649-1A	Clearfield	•	,	10,535		1	10,535	1	219	∞	ı	
Strip Permit No. 1649-2A	Clearfield	•	,	9,270	1	1	9,270	ı	169	3	ı	1
Strip Permit No. 1649-3	Clearfield		1	-	-	-	-	t	32	*	1	
Total			1	19,805	-	1	19,805	-		11	-	1
Clearfield Limestone Corp.												
Strip Permit No. 258-5 & 6	Clearfield	45,601	ı	ı	1	ı	45,601	ı	239	13	ı	ı
Crissman Inc., James T.												
Strip Permit No. 1456-2	Clearfield		1	5,684	1	1	5,684	ı	290	3	ı	•
Edmunds Contracting & Supply Co., Inc.	С.											
Strip Permit No. 532-7 & 8	Clearfield		•	59,944		ı	59,944	1	252	20	1	
Strip Permit No. 532-9	Clearfield		•	29,004	-	1	29,004	-	248	9	1	٠
Total			-	88,948	1	1	88,948	ı		26	1	-
Glen Irvan Corp.												
Strip Permit No. 671-3	Clearfield	1		40,337	1	ı	40,337	1	245	14	1	
Strip Permit No. 671-15	Clearfield		1	61,780	-	1	61,780	-	292	=	'	
Total			1	102,117	-	1	102,117	-		25	1	-
H D L Coal Co.												
Strip Permit No. 1762-1	Clearfield			10,660	ı	1	10,660	1	63	7	ı	
Hamilton Contracting Co., Al												
Strip Permit No. 533-6	Clearfield			36,654	ı	ı	36,654	1	250	* .	× ×	ı
Strip Permit No. 533-12	Clearfield			1		ı	1 0	1	09	к.	- X	1
Strip Permit No. 533-14	Clearfield	1		153,878	1	ı	153,878		245	k ·	- ××	
Special Project No. 642	Clearfield		-	5,550	-	-	5,550		30	*	**	
Total			1	196,082	-	-	196,082	1			1	-
Hartman Contractor, Warren C. Strip Permit No. 1737-4	Clearfield	15,438	ı	•		,	15,438	1	107	9	1	ı

		1		Product	1000	Dendination of Coal & Calo Mat H	E					
				דוחתתרו	1011 01 00a1	a coke - Me	Lions					
			Shipped	Shipped to Market		: Coal Used	Coal	1 4 6 E	E			:
						for	Manii-	Produce	Droduc	L	M <sub>o</sub>	-uoN
		: B	By	By	By	: Domestic	facture	tion	tion	Davs	of Em- a	of Fm- acci- acci-
Operators and Mines	County	: R	ail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	Ъ	ploves d	Worked ploves dents dents
Hill Coal Co.												
Strip Permit No. 1836-1 & 2	Clearfield		,	•	2,500	•	1	2,500	•	30	7	1
Strip Permit No. 1836-4	Clearfield		•	•	30, 186	•	•	30,186	٠	250		
Strip Permit No. 1836-5	Clearfield		1	,	31,276	•	•	31,276	•	250	_	1
Total				'	63,962			63,962			-	1
Jefferson-Clearfield Coal Co., Inc.												
Special Project No. 490	Clearfield			•	6,168	1	ı	6,168	1	105	9	1
Johnson & Morgan												
Strip Permit No. 490-10	Clearfield		•	•	20,527	1	•	20,527	1	201	9	1
K & J Coal Co., Inc.												
Strip Permit No. 56-45, 52 & 53	Clearfield			1	42,594	•	•	42,594	1	240	6	- 1
McDonald Land & Mining Co., Inc.												
Strip Permit No. 659-7	Clearfield			•	60,516	•	ı	60,516	•	273	14	- 1
Strip Permit No. 659-8	Clearfield			•	41,232	•	ı	41,232	1	273	10	- 1
Strip Permit No. 659~10	Clearfield			•	26,208	ı	•	26,208	1	253	10	-
Strip Permit No. 659-14	Clearfield				37,454	1		37,454	1	273	10	1
Total					165,410		1	165,410	1		44	e.
Moshannon Falls Mining Co., Inc.												
Strip Permit No. 5-2(b)	Clearfield			•	11,066	•		11,066	•	42	10	ı
Strip Permit No. 5-3(b)	Clearfield			•	219	ı	,	219	1	17	2	1
Strip Permit No. 5-6(b)	Clearfield			-	2,038	1	1	2,038	1	41	2	1
Total					13,323	•	•	13,323	•		14	1
Strip Permit No. 30-18	Clearfield	25	25,726	•	1			25,726	1	217	10	1
	Clearfield		929	•	•	•		959	١	2	*	1
No.	Clearfield	24	54,552		•	•	•	54,552	1	217	12	1
Permit No.	Clearfield	9	3,065		•	1		3,065	1	41	6	1
No.	Clearfield		699	•	1			699	•	2	*	1
	Clearfield	12	12,472		•	•	1	12,472	1	98	9	1
Permit No.	Clearfield	22	22,922	•	•	•	1	22,922	•	212	œ	1
Strip Permit No. 30-53	Clearfield	24	24,044	-	-	-	-	24,044	-	92	4	- 2
Total		144	,106		•	•	•	144,106	•		65	- 2
Simca Mining, Inc.	Closwffold	20	10, 02					10.7.07		310	αL	
OLIP FERMIL NO. 327-12	Clearitein	2	,40r		•	•		/0,40I	•	CTC	07	1

				Produc	Production of Coal	& Coke - Net Tons	t Tons						
						: Coal Used	Coal						
			: Ship	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
						: for	Manu-	Produc-	Produc-	age:	No.		Fatal fatal
			: By	By	By	: Domestic	facture	tion	tion	: Days	of Em-	acci-	acci-
Operators and Mines		County	: Rail	Water	Truck	: Purposes	of Coke	of Coal	of Coke	: Worked	Worked ployes dents	dents	dents
cley Hayon Coal Inc.													
Sky navell coat, inc. Strin Dermit No. 1812-1	2-1	Clearfield	•	٠	84,215	•		84,215	1	261	12	ı	1
Strip Permit No. 1812-2	2-2	Clearfield	•	•	865			865	1	22	*	ı	ı
Strip Permit No. 1812-8 & 9	2-8 2-9	Clearfield	•	٠	8,017			8,017	1	235	*	ı	1
Still Fermit No. 1812-19	2-12	Clearfield	•	٠	86,385	•		86,385	1	261	11	ı	ı
Strip leimit No. 1812-13	2-13	Clearfield	•	•	57,891			57,891		258	*	1	,
Still remit No. 1812-17	2-17	Clearfield	•	•	20,654	•	•	20,654	1	236	9	,	
Strip remit No. 191	2-25	Closefield	٠	•	1,632		,	1,632	ı	20	*	•	
Strip Fermit No. 1012-23	2-23	Closeffold		٠	675.9	•	,	6,549	1	39	10	,	1
Strip Fermit No. 1012-30	2-30 Total				266,208		-	266,208	-		39	١.	-
Swistock Associates Coal Corp.													
Strip Permit No. 1875-2(b)	5-2(b)	Clearfield	•	•	7,434			7,434	ı	40	10		
Swistock & George										1	•		
Strip Permit No. 1638-5(b)	8-5(b)	Clearfield	•		5,835			5,835		<b>1/4</b>	7		
Thomas Coal Co., Inc.					;						•		
Strip Permit No. 42-3	3	Clearfield			11,519	ı		11,519	ı	111	ب ب	ı	
Strip Permit No. 42-14	14	Clearfield			1,376			1,3/6		16	k (	ı	
Strip Permit No. 42-16	16	Clearfield	•		23,149		ı	23,149		269	o °		
Strip Permit No. 42-19	19	Clearfield	•		14,826	1	ı	14,826		1/5	າຸ		
Strip Permit No. 42-22	22	Clearfield	•		69,100		ı	69,100		268	12		
Strip Permit No. 42-24	24	Clearfield	•	•	558		ı	558	ı	90	k		
Strip Permit No. 42-27	27	Clearfield			28,817		ı	28,817	1	284	ָם נ		
Strip Permit No. 42-28	28	Clearfield		•	82,818		ı	82,818	1	266	J (		
Strip Permit No. 42-30	30	Clearfield		•	7,768		ı	7,768		129	າ ເ		
Strip Permit No. 42-31	31	Clearfield		,	57,512			57,512	1	263	<u>.</u>	ı	ı
Strip Permit No. 42-33	33	Clearfield	-	-	3,155	-	-	3,155	-	46	*	١	-
	Total	-			300,598		-	300,598	-		71		
Union Clay Co., Inc.								010		7.0	(7		
Strip Permit No. 444-2	-2	Clearfield			1,250		ı	1,230		1700	t		۰-
Strip Permit No. 444-7	-7	Clearfield	-	-	1,648	1	-	1,648		100	1		- -
4	Total	-			2,898		-	2,898			4	-	-
Waroquier Coal Co.								002	1	260	σ	1	
Strip Permit No. 1400-2A	0-2A	Clearfield	29,529		0 0		ı	29,329		207	, ır		
Strip Permit No. 1400-3	0-3	Clearfield	13,306		10,529	-		23,033		242	1		
	Total	-	42,835		10,529	-	-	53,364	-		1		
7	8		927 097		1 353 439	œ	,	1.833.998	ı	217	443	ı	10
77	District lotal	-	1000		1			,					
			The second secon				The second secon			-			

			Producti	on of Coa.	1 & Coke - Ne	t Tons				
					: Coal Used Coal	Coal				
		 Ship	Shipped to Market		: Locally	Used in	lotal	Total : Aver	-1	Ž
					: for	Manu-	-roduc-	Produc- : age No. Fatal fatal	No.	Fatal L
		 Ву	By	Ву	: Domestic	facture	ton	tion : Days	3 of Em-	acci- a
perators and Mines	County	 Rail	Water	Truck	: Purposes	of Coke	f Coal	of Coke . Work	red ployed	donto

NOTE:

Contracted by Jefferson-Clearfield Coal Co., Inc. Information taken from monthly reports as no Annual Report was submitted. Men included with those at other operations, same company. Hen included with those for Al Hamilton Contracting Company in District 44. (a) (b) (b)

	1.1	1 1 1	1	1 1 1	1 1 1	1 1
	1 1	' ' '		- ' '   '	1 1	' '
7 8 115	13	14	6	3	5 6 11	2 *
97 20 15	243 158	243 107 62	244	99	252 236	126
1 1 1	1 1		1	1 1 1	1 1 1	1 1
11,788	41,157	96,169 7,719 20,418	53,113	2,238 415 2,653	14,041 21,110 35,151	1,370
	1.1		1		1 1	1 1
	1 1	1 1 1	1	1 1 1	1 1 1	l t
11,778	1 1	1 1 1	53,113	2,238 415 2,653	14,041 21,110 35,151	1,370
		1 1 1		1 1	1 1	
	41,157	96, 169 7, 719 20, 418	207,959			
Clearfield Clearfield Clearfield	Clearfield	Clearfield Clearfield Clearfield	Clearfield	Clearfield	Clearfield	Clearfield
otal			otal	otal		
Becker, Jr. Blake T. Strip Permit No. 1367-7(a) Strip Permit No. 1367-9(a) Strip Permit No. 1367-13(a)	Benjamin Coal Co. Strip Permit No. 64-84 Strip Permit No. 64-101C				Glen Irvan Corp. Strip Permit No. 671-2 Strip Permit No. 671-14	H.A. Enterprises, Inc. Strip Permit No. 1810-1 Harbison-Walker Refractories Strip Permit No. 266-8(a)
	1367-7(a) Clearfield - 11,778 - 11,788 - 97 7 1367-9(a) Clearfield - 1955 - 1955 - 1955 - 1955 - 150tal	1367-7(a) Clearfield - 11,778 - 11,78 - 11,788 - 97 7 1367-9(a) Clearfield - 1,955 - 1,955 - 1,955 - 15 8 157-13(a) Total - 1,373 - 13,733 - 13,733 - 1,5 15 15 15 15 15 15 15 15 15 15 15 15 15	1367-7(a) Clearfield - 11,778 - 11,788 - 97 7 1367-9(a) Clearfield - 1955 - 1955 - 15 8 1567-13(a) Clearfield - 13,733 - 13,733 - 15 64-84 Clearfield 41,157 - 13,733 - 243 13 64-143 Clearfield 96,169 - 196,169 - 244 14 64-202 Clearfield 20,418 - 20,418 - 62 *	Clearfield	1367-7(a)   Clearfield   -	Clearfield

			Product	ion of Coal	Production of Coal & Coke - Net Tons	Tons						
					Coal Used	Coal						
		: Ship	Shipped to Market		Locally	Used in	Total	Total	Aver-		N	Non-
					for	Manu-	Produc-	Produc- :		No. F	Fatal fatal	atal
		: By	By	By	: Domestic	facture	tion	tion :	m	of Em- acci- acci-	cci- ac	-ioc
Operators and Mines	County	Rail	Water	Truck	Purposes	of Coke	of Coal	of Coke :	Worked p	ployes dents	ents de	dents
Harbison-Walker Refractories (con Strip Permit No. 266-12A(a)	(continued) Clearfield	1	,	54,308	1	,	54,308		105	7		-
Total			1	91,911	-	-	91,911			12		-
Hatten Mining Co.	Clearfield			10 500			005 01		25.5	,		
Hepburnia Coal Co.	oreat treeto		ı	10,000	ı	ı	000,00		777	٦		
Strip Permit No. 14-41	Clearfield	4,711	•	1	1	1	4,711		89	*		,
Strip Permit No. 14-48,48A,48A2	Clearfield	36,675	ı	•	1		36,675	1	203	7	,	
Strip Permit No. 14-55	Clearfield	26,489	•	ı	ı	1	26,489	1	244	2	,	,
Strip Permit No. 14-60	Clearfield	27,342		ı	ı		27,342		180	2	1	ı
Strip Permit No. 14-61	Clearfield	18,423		1	1	1	18,423	1	176	2		
Strip Permit No. 14-63	Clearfield	12,267	-	-	-	•	12,267	'	111	e		
Total		125,907	•	1	1	1	125,907	1		16	1	1
Jefferson-Clearfield Coal Co., Inc.	;											
Strip Permit No. 1777-5	Clearfield		1	18,504	ı	ı	18,504	ı	77	6		
Jeffery B Coal Co., Inc.	;								1			
Strip Permit No. 1678-1(a)	Clearfield			23,795	ı	ı	23,795	ı	161	6		ı
MSM Coal Co., Inc.	Closeffold	1		15 215	ı	ı	15 915	ı	37.5			
Non- Of-campa Maria Co.	2011			770677	ı		17,017	ı	7	1	ı	ı
New Shawmur Mining Co. Strip Permit No. 196-16	Clearfield	٠	1	8.290	,	,	8.290	,	255)	2)	,	
Auger-BAM-867	Clearfield		•	34,801	•	ı	34,801	ı	Î	3 (		1
Total				43,091	-	-	43,091			2		.
North American Refractories Co.												
Strip Permit No. 860-4	Clearfield			ı	385	1	385		25	2	ı	ı
Strin Permit No. 32-96	Clearfield	31 088		3 281		1	96 1/5		27.1	7		
Pentz Coal Co., Inc.				,					1	-		
Strip Permit No. 1521-1	Clearfield	•	1	ı	10,505	1	10,505	1	188	2	1	1
Sadoti, Nick J.												
Strip Permit No. 1584-1&2	Clearfield	ı	ı	14,000	1	•	14,000		110	12	ı	ı
State Coar CO.	Closuffold	21 051					21 051		756	1		
Sky Haven Coal, Inc.	oreal trein	100,10	•	1	ı		31,031		467	2		
Strip Permit No. 1812-5	Clearfield	1		41,632	1	1	41,632		255	*	1	ı
Strip Permit No. 1812-16	Clearfield		1	32,633	ı		32,633	1	255	4	1	,
Strip Permit No. 1812-20	Clearfield	1		47,596	1	ı	47,596	ı	260	10	1	ı

District 45A

in Total i Aver-  Produc- rage No. Fatal  oke of Coal of Coke: Worked ployes dents  396 - 20 3 -  122,257 - 17 -  28,712 - 285 5 -  24,453 - 241 5 -  910,034 - 191 207 -				Producti	Production of Coal & Coke - Net Tons	& Coke - Nei	t Tons						
Shipped to Market   Locally   Used in   Total   Total   Average   Locally   Used in   Total   Total   Average   Locally   Used in   Total   Total   Average   Locally   Total   Tota					••	Coal Used	Coal						
Sounty   Sale   By   By   Domestic facture   Froduc-   Rade   By   Domestic facture   Truck   Produc-   Rade   Days   Domestic facture   Truck   Produc-   Rade   Days   Domestic facture   Truck   Purposes   Of Coke   Truck   Truck   Purposes   Of Coke   Truck   Truck   Purposes   Of Coke   Truck   T			: Sh:	ipped to Market	•	Locally	Used in	Total	Total	: Aver-			Non-
County   By   By   Domestic facture   Lion   Lion   Days					•	for	Manu-	Produc-	Produc-		No.	Fatal	fa
Clearfield			: By	By	By :	Domestic	facture	tion	tion		of Em-	acci-	acc
Clearfield 396 396 396 396 396 122,257 122,257 122,257 28,712 - 24,453 - 2	Operators and Mines	County	: Rail	Water	Truck :	Purposes	of Coke	of Coal	of Coke	: Worked	ploves	dents	der
Clearfield	Sky Haven Coal, Inc. (continued)												
Total  Total  Total  Total  Total  Total	Strip Permit No. 1812-36	Clearfield	•		396	•	1	396	1	20	3	1	,
Clearfield 23,580 - 5,132 - 28,712 - 285  Clearfield - 24,453 - 24,453 - 241  ct Total 420,385 - 478,759 10,890 - 910,034 - 191					122,257	•		122,257			17		
Clearfield 23,580 - 5,132 - 28,712 - 285  Clearfield - 24,453 - 24,453 - 241  ct Total 420,385 - 478,759 10,890 - 910,034 - 191	Strishock Coal Co.												
. 1822-1 Clearfield - 24,453 - 24,453 - 241  District Total 420,385 - 478,759 10,890 - 910,034 - 191	Strip Permit No. 214-13	Clearfield	23,580		5,132			28,712	•	285	5	•	
Clearfield - 24,453 - 24,453 - 24,453 - 241 ict Total 420,385 - 478,759 10,890 - 910,034 - 191	Van Leer Coal Co.												
420,385 - 478,759 10,890 - 910,034 - 191	Strip Permit No. 1822-1	Clearfield			24,453	•	1	24,453	1	241	2	•	
420,385 - 478,759 10,890 - 910,034 - 191													
	District Total		420,385		478,759	10,890	•	910,034	•	191	207	•	7

Information taken from monthly reports as no Annual Report was submitted. Men included with those at other operations, same company. (a) \* NOTE:

			집	District 46								
Avery Coal Co., Inc. Strip Permit No. 584-9		•		,	,				001	*		
Strip Permit No. 584-25,	35,38 Clinton	137,825	•	•	•		137,825		240	21		•
Strip Permit No. 584-30		782	1	•	•	•	782	•	30	*	ı	
Strip Permit No. 584-36		7,023	•	•	,	1	7,023	•	100	4	,	•
	Total	145,630	•			•	145,630			25		
Confer Brothers Coal Co.												
Strip Permit No. 864-2	Clinton		•	11,670	•	,	11,670	1	252)	18)	ı	
Strip Permit No. 864-3	Clinton	1	•	33,313	•	•	33,313	1	^	_		•
Strip Permit No. 864-4	Clinton			72,591	•		72,591		^	^		•
	Total		•	117,574			117,574			18		
Eastern Mining Co.												
Strip Permit No. 1357-3	Tioga	•	•	30,757	18	ı	30,775	•	235	37		•
Fink & Stackhouse, Inc.												
Strip Permit No. 524-2	Clinton	•	•	•	•	ı	•	•	119	3		•
Strip Permit No. 524-3	Clinton	•		3,684		•	3,684	-	260	3		
	Total			3,684		•	3,684	-		9	ı	,

			Produc	tion of Coal	Production of Coal & Coke - Net Tons	t Tons						
					: Coal Used	Coal						
		: Sh	Shipped to Market		: Locally	Used in	Total	Total :	Aver-		-	Non-
					: for	Manu-	Produc-	Produc- :	age	No. I	Fatal fata]	Eata]
		: By	By	By	: Domestic	facture	tion	tion :	Days	of Em- acci- acci-	cci-	acci-
Operators and Mines	County	: Kail	Water	Truck	: Purposes	ot Coke	of Coal	of Coke :	: Worked ployes dents dents	loyes	lents	lents
Fisher Mining Co. Strip Permit No. 637-1	Lycoming	1	1,770	154.594	1	1	156.364	1	302	96		,
Jones & Brague Mining Co.						:			2	2		
Strip Permit No. 7-23	Lycoming	•	1	092,99	7	,	99,164	1	154	14	ı	,
Strip Permit No. 7-25	Tioga	1	1	119,250	2,173	•	121,423	1	230	28		2
Strip Permit No. 7-29	Tioga	1	,	63,967	1	•	63,967	1	176	13		,
Strip Permit No. 7-30	Lycoming	1	1	36,497	1	1	36,497	,	150	*	1	,
Strip Permit No. 7-31	Tioga	,	,	45,917	1	•	45,917	1	87	*	1	1
Strip Permit No. 7-34	Tioga	•		7,418	1	1	7,418	1	45	*		,
Strip Permit No. 7-39	Tioga	1	1	86,877	300	1	87,177	,	192	23	,	3
Strip Permit No. 7-41	Tioga		1	48,742	1	1	48,742	1	107	13	1	,
	Total		1	475,428	2,477	ŧ	477,905			91	,	9
P & M Coal Co.												
Strip Permit No. 1477-2	Tioga	1	,	744	1	1	744	1	13	2	,	1
Quinn Coal & Clay Mines												
Strip Permit No. 530-1	Clinton	•		4,459	1	,	4,459	1	150	16)	,	1
Strip Permit No. 530-3	Clinton	1	•	4,459		1	4,459	1	154	_	1	1
Strip Permit No. 530-5	Clinton		-	27,852	-	-	27,852	-	230	^	1	
	Total			36,770			36,770	1		16		
River Hill Coal Co., Inc.												
Shawville Coal Co.	Clinton	116,096	,	10,425	1		126,521		234	97		г
Strip Permit No. 30-43	Clinton	26,093	1	1	1	1	26,093	1	185	8)	1	
Strip Permit No. 30-51	Clinton	9,505	1		1	1	9,505	1	70	_	ı	1
	Total	35,598	1	1	1	1	35,598	1		80	1	,
District Total	t Total	297,324	1,770	829,976	2,495	,	1,131,565	1	233	278	1	7

NOTE: \* Men included with those at other operations, same company

	1 1
	48 44
	1.1
	7,336
	1 1
	1 1
District 47	7,336
П	1 1
	Clearfield Clearfield
	AME Enterprises, Inc. Special Project No. 656 Special Project No. 680

			Produc	Production of Coal & Coke - Net Tons	& Coke - Ne	t Tons						
					Coal Used	Coal						
		Ship	Shipped to Market		: Locally	Used in	Total	Total	Aver-		Non-	į
		ē			for	Manu-	Produc-	Produc-		No. F	Fatal fatal	tal
Operators and Mines	County	By Rail	by Water	By Truck	Domestic Purposes	facture of Coke	tion of Coal	tion of Coke	: Days : Worked	of Em- a	Days of Em-acci-acci- Worked ploves dents dents	ci-
AME Enterprises, Inc. (continued) Special Project No. 690	Clearfield		1	16,935	,		16.935	1	79			
Total	al			31,101			31,101			3	ŀ	
Anderson Creek Coal & Clay Co. Strip Permit No. 547-4&A	Clearfield	1		45.914			45 914		120	1 2		
Cambria Coal Co.				140601			17,00	1	077	ţ.	1	
Strip Permit No. 1206-9	Clearfield	72,273		ا,		1	72,273		357	15	1	
Strin Dermit No. 134-7	Closwfield	079 ///	1	12 286	1		2000		0 / 0			
Ctrin Dormit No 13/-03	2004	009 00	ı	20,420	11 330		00,000	,	0 7 0	0 7		
Strin Permit No. 134-23	Centre	17 725	•	26,/34	11,329	ı	02,/43	ı	248	11		
Strip Permit No. 134-40	Clearfield	614	•	20,100	000	1 1	7 361		047	*		
Total		85,084	1	69.541	16,185	-	170.810		2	24		1
Flango Bros. Coal, Inc.												1
Strip Permit No. 161-15	Clearfield	16,633	1	5,282	,	1	21,915	1	288	2	1	
Halfway Coalyard, Inc.				•								
Strip Permit No. 1276-1	Centre	•	1	38,554	111		38,665	1	253	2	1	
	Centre	•		11,093	1	1	11,093	1	80	9	1	
	Centre	1	1	17,777	1	,	17,777	1	130	6	1	
Strip Permit No. 1276-4	Centre	•		1,867	1	1	1,867	1	777	*	1	
No.	Centre	•		146,745	•	,	146,745	1	253	24	1	
No.	Centre	•		33,675	•	•	33,675	,	211	12	1	
Strip Permit No. 1276-8	Centre		-	65,880	1	-	65,880	•	253	11	1	
Total	al			315,591	111		315,702	'		67	- 1	
Hamilton Contracting Co., Al												
Strip Permit No. 533-15	Clearfield	•	•	138,616	•		138,616	,	261	**	1	
Strip Permit No. 533-16	Clearfield	1	1	9,329	•		9,329	1	261	水水	1	
Strip Permit No. 533-19	Centre			41,414	•	•	41,414	1	238	*	1	
Strip Permit No. 533-20	Centre	•	•	36,167	•	•	36,167	•	238	**	1	
Strip Permit No. 533-21	Centre			26,050	1	•	26,050	ı	215	*	1	
Total	al		1	251,576	1	-	251,576	-		*	-	
Hanslovan Coal Co., Inc. Ed.	10,54			0 0			0 0		-			
Strip Permit No. 1157-3	Clearfield			56,062	1 1	1 1	56,062		146	ν 20		
Total			,	114,421			114,421	1		14	-	

		1.	Droduct	Droduction of Cont	S. Coles - Mar Tong	E						
			Fronger	1011 01 009		Lions			٠٠.			
		S	Shipped to Market		: Coal Used	Coal	TO 401	10401				,
					: for	Manu-	Produc-	Produc-	. age	No.	Fatal	faral
Operators and Mines	County	By Rail	By Water	By Truck	: Domestic	facture of Coke	tion of Coal	tion	: Days			
Hartman Contractor, Warren C. Strip Permit No. 1737-5	Centre	13,580	9	1	1	1	13,580		99	9		- delica
Johnson & Morgan									0	0		
Strip Permit No. 490-6	Centre	84,625		118,084	ı	ı	134,283	'	210	20		
Strip Fermic No. 490-6 Total		84.625		118,084	-		202,709		201	31	'	
Moshannon Falls Mining Co., Inc.												
Strip Permit No. 5-2	Clearfield	73,058	,	1		1	73,058	ı	250)	16)	ı	1
Strip Permit No. 5-3	Clearfield	6,672		1		1	6,672	ı	^	^	1	
Strip Permit No. 5-6	Clearfield	9,921					89 651	'   '		16	١   ١	' '
Pike Coal Co.												
Strip Permit No. 430-32	Clearfield	1	,	22,944	ı	ı	22,944	1	192	6	1	1
									0	c		
	Centre	74,552	1		ı		74,552	1	2/8	1 00	1	
	Centre	17,844		ı			17,844	1	123	_ `	ı	
	Clearfield	17,429		ı			17,429	ı	700	٥ -	ı	1
No.	Centre	45,075		1			45,075	ı	293	17	1	
No.	Clearfield	12,180		1			12,180		230	n (	ı	ı
No.	Centre	30,630		ı			30,630	ı	7/7	7 0	ı	
No.	Centre	38,190		ı	1		38,190	1	200	<i>y</i> 0	1	
	Centre	13,1/0		1	ı		13,170		7 0	0 0	1	
	Centre	7,315		1			/, 3L5		99	0 0	ı	ı
	Clearfield	24,4/1		ı		ı	24,4/I	•	121	0 5		
Strip Permit No. 1858-37	Centre	00,4T2		•	-		27.1 26.0		177	07		
Total		341,268		'		-	341,200	-		00		
Reese Coal Co., Inc., Phillip Strip Permit No. 156-1C&2C	Clearfield	1	,	38,769	1		38,769	1	199	10	1	1
River Hill Coal Co., Inc.							0		0	,		-
	Clearfield	70,852		8,000		ı	78,87	1	677	07 :	1	1
Strip Permit No. 20-33	Clearfield	17,634		8,000	1	ı	25,634		229	17	ı	ı
Strip Permit No. 20-42	Centre	46,793		ı			46,793	1	214		ı	
Strip Permit No. 20-47	Clearfield	10,101		1		1	10,101		06	13	ı	
Strip Permit No. 20-48	Clearfield	1,074		1	1	1	1,074		72	,		<b>-</b> 1 •
	Clearfield	35,924		1	1 4		35,924	ı	249	1;	ı	1
Strip Permit No. 20-73	Clearfield	85,758			369		86,12/	1	575	CT ;	ı	1
	Clearfield	16,145		3,424			19,569	ı	135	13	1	
Strip Permit No. 20-77	Clearfield	19,9/1		0000	026		232 07.5		22	100		-
Total		304,232		4746/7	303		332,043			2		

			Froduc	FIGURE LIGHT OF CORE - NEL TORS	CORE - INC.	Lons						
					: Coal Used	Coal						
		: Shipp	Shipped to Market		: Locally	Used in	Total	Total	: Aver-			Non-
					: for	Manu-	Produc-			No.	Fatal fatal	fatal
		: By	By	By	: Domestic	facture	tion	tion		Ė	acci-	acci-
Operators and Mines	County	: Rail	Water	Truck	Truck : Purposes	of Coke	of Coal	of Coke		ploves	dents	dents
Somerset Mines, Inc.												
Strip Permit No 1971-3(a)	Centre			539			539	ı	20	e	ı	1
Stott Coal Co., Inc., James M.												
Strip Permit No. 278-11	Centre	56,198					56,198	•	245	13	,	1
Teeter Coal Co., John E.												
Strip Permit No. 147-6(b)	Clearfield		1	31,423			31,423	ı	252	17)	ı	1
Strip Permit No. 147-9(b)	Clearfield			7,342			7,342	1	167	^	•	1
Strip Permit No. 147-10(b)	Clearfield			16,137	-		16,137	1	230		١	1
ŭ	Total		•	54,902	-	•	54,902	-		17	1	1
District Total	Total	1,063,564		1,096,088	16,665	1	2,176,317	ı	206	433	ı	9

(a) (b) \* ‡ NOTE:

Mine has been closed and backfilled, Information taken from monthly reports as no Annual Report was submitted. Men included with those at other operations, same company. Men included with those for Al Hamilton Contracting Company District 44,

		1	ı				ı									
		,	ı	1			1	ı						ı	1	,
	3	4	3)	^	10		c	2)	^	2		2		٠	4	6
	130	200	88	73			65	138	42			297	1	312	312	
	,	1	1	•	•				-	1		ı			-	
	6,312	10,558	3,266	6,580	26,716		2,471	28,421		30,892		15,843	000	48,908	25,232	74,146
		•	1	•	1				-	-					-	1
		,	1	ı	1		1	ı	•	-					-	-
District 49	6,312	10,558	3,266	6,580	26,716		1,875	21,560		23,435		15,843		48,908	25,232	74,140
Di	,	ı	1	•	1		•	•	•	-		•			-	•
	,	•	•	•	•			6,861		7,457						
	E1k	E1k	Elk	EIk	Total		E1k/Jefferson	E1k	E1k	Total		E1k		E1k	E1k	Total
	Brown, Inc., Earl M. Strip Permit No. 104-36	Strip Permit No. 104-37	Auger-BAM-977	Auger-BAM-978	)	Doan Coal Co.	Strip Permit No. 154-9	Strip Permit No. 154-11	Strip Permit No. 154-12		Elco Coal Co.	Strip Permit No. 1676-2	Esquire Fuel Co.	Strip Permit No. 263-7	Strip Permit No. 263-9A	

		1.		Producti	on of Coal	Production of Coal & Coke - Not Tone	Tono						
		1		LIDUUCLI	011 01 0001	מ הסעה – ואם	LOUIS						
		••	Shipped	Shipped to Market		: Coal Used	Coal Used in	Total	Total	A 170 T-			Non
						for	Manu-	Produc-	Produc- :	age	No.	Fatal	Fatal fatal
	(	: By		By	By	: Domestic	facture	tion	tion	Days	of Em-	acci-	acci-
Uperators and Mines	County	: Kaı	T	Water	Truck	: Furposes	ot Coke	of Coal	ot Coke :	Worked	Worked ployes dents dents	dents	dents
Strip Permit No. 1244-4	Elk	,		,	8,468	,	ı	8,468	,	305)	11)	,	,
Strip Permit No. 1244-5	E1k	'		,	11,482	ı		11,482	•		Î	ı	,
Strip Permit No. 1244-7	E1k	•		,	47,350	1	,	47,350	1		_	1	ı
Auger-BAM-727	E1k				206		•	206	1			1	•
	Total			'	68,207	•		68,207	-		11	,	
Fran Contracting, Inc. Strip Permit No. 1073-13	Elk				13,669	ı	ı	13,669	ı	240	7	1	1
Glen Irvan Corp.	E T				22 520			002		0,70	u		
Strip Permit No. 671-10	11.4				17, 938			17, 938	1 1	210	٦ ٥		
	Total				38,477			38,477		077	7/		
Gurosik Coal Co., Inc.													
Strip Permit No. 1933-1 Henburnia Coal Co.	E1k	1		1	10,046	ı	ı	10,046	ı	152	m	ı	ı
Strip Permit No. 14-64	E1k	11,702	02	,	•	,	,	11,702	1	176	m	,	,
Strip Permit No. 14-70	E1k	15,750	50		-	-		15,750		111	4	1	'
	Total	27,452	52	1	1	ı	-	27,452			7	1	-
Huff, Ronald F.	1									Š			
Thorsam Coal Co.	Z T Z	•			650,6			9,039	•	TAD	-	ı	
Strip Permit No. 1476-5	E1k	38,284	34	,	٠	1	1	38,284		137	00	ı	,
Keech Coal Co.													
Strip Permit No. 1793-1	E1k	1		,	ı	ı	ı	ı		15	-	ı	ı
New Shawmuc Mining Co. Strip Permit No. 196-12A	1 1			1	13 502			13 502		202	7		
P & N Coal Co., Inc.	1				700 601			700 604		04			
Strip Permit No. 32-74	E1k	8,530	30	,	21,311	1	ı	29,841	•	237	14)	ı	20
Strip Permit No. 32-92	Elk	2,2	18	,	5,542	1	,	7,760	1	162	_	ı	,
Strip Permit No. 32-42	E1k	2,453	53	,		ı		2,453	1	165	30)	1	12
	Elk	10,198	98	1	1	1		10,198	1	212	^	ı	1
Strip Permit No. 32-68	Elk	'		1	ı	1		1	1	27	^	ı	16
	Elk	23,43	39	,	1	1		23,439	ı	245	^	ı	,
Strip Permit No. 32-97	Elk	15,870	70	1	ı	ı	ı	15,870	1	168	^	ı	ı
Strip Permit No. 32-102				1	1	1	1	-	1	33		١	
0 000	Total	62,708	98	-	26,853	-	-	89,561			44	-	48
Strip Permit No. 135-13	Elk	1		1	7,336	,	ı	7,336	ı	39	8)	ı	

		Non-	Fatal fatal	dents							ı		ı					ı		ı		٠	1	50			- 1				1
			Fata	dents		1				•	•				1 1			1	ı	ı	1	1	'				- 1		ı	1	•
			No. Fatal fatal of Em- acci- acci-	ployes		~ ^	~ ^	8	9	G (	^	9	·	4 0	7 4	00		m ·	3	e	3	12	2	158			2	;	15	4	2
		Aver-	age Days	: Worked ployes dents dents	101	102	46	ò	205	58	00		107	127	260			287	287	119	64		107	223			23	;	240	245	107
		Total :	Produc- :	of Coke :							1	•	ı	ı		-		ı			1		'	,						1	
		Total	Produc- tion	of Coal	10.03%	17,034	17,222	55,983	20 057	6,760	681	28,398	1 117	1000	8,901 41,726	51.744		21,565	46,255	6,180	7,000	81,000	542	669,495			97	;	63,374	17,903	2,154
t Tons	Coal	Used in	Manu- facture	of Coke						•	,	1	ı		' '	-		•		•		•		•			ı		1	1	•
& Coke - Ne	: Coal Used	: Locally	: for : Domestic	: Purposes							1	ı			' '					•	1	1	542	542			1			365	
Production of Coal & Coke - Net Tons			By	Truck	10 03%	17,034	12,222	55,983	20 957	6,760	681	28,398	1 117	100	41,726	51.744		21,565	46,255	6,180	7,000	81,000	•	533,052		District 65	97		63,374	17,538	2,154
Produc		Shipped to Market	By	Water						1	1	1	,									1	•	1		al	1			•	
		Shipp	By	Rail	1				•	,									1		-		•	135,901						1	1
7		'		County :	71	712	7 L	Total	112	Elk	E1k	Total	ALX ALX	1 1 1	Elk	Total		ALE :	Elk	Elk	Elk/Jefferson	Total	Elk	Total	11		Bedford	:	Hunt'don/Bedf.	Bedford	Bedford
				Operators and Mines	R & R Coal Co. (continued)	Strip Permit No. 135-15	Strip Permit No. 135-16		Rearick Coal Co., William P. Strin Permit No. 1884-1	Strip Permit No. 1884-2	Auger-BAM-943		Sky Haven Coal, Inc. Strin Permit No. 1812-11	Strip Dormit No 1812-18	Strip Fermit No. 1812-23		Tamburlin Bros. Coal Co., Inc.	Strip Fermit No. 4/2-4	Strip Permit No. 472-7		Strip Permit No. 472-9		Vollmer, Lawrence B. Strip Permit No. 142-1	District Tota			B. B. & B. Strip Strip Permit No. 1536-2	Glade Mill Coal Co. Strip Permit Nos. 1785-1 &	584-22 F C B Mining Inc	Strip Permit No. 453-4	Krieger Coal, Inc. Strip Permit No. 519-4

	ž	No. Fatal fatal of Em- acci- acci-	dents					1	,	1	
		Fatal acci-	dents					•	'	٠	
		No. of Em-	Toyes	<	7 4	00	6	œ	2	20	
	A370 T-	age Days	Worked	17/	202		112	250	74	190	
	Total	Producting No. Fatal fatal fatal form.  Toology of Emarcia accidents.	OT COME	•				ı	1		
	Total	Produc- tion	4	30,000	19,000	49,000	21,249	23,715	8,601	186,093	
t Tons	Coal Used in	Manu- facture of Coke			1	-	1	,	-	,	
Production of Coal & Coke - Net Tons	: Coal Used : Locally	for Domestic Purposes		,	ı	•	ı	•	•	365	
ion of Coal		By Truck		30,000	19,000	49,000	21,249	23,715	8,601	185,728	
Product	Shipped to Market	By Water		•	-		1	•		1	
	Shippe	By Rail		•				1			
		Operators and Mines County	L & B Coal Co.	Strip Permit No. 270-10 & 11 Fulton	Stilp fermit No. 2/U-13 & 14 Bedford	Low Vol Energies, Inc.	Strip Permit, No. 1483-2 Bedford New Enterprise Stone & Lime Co., Inc.	Strip Permit No. 796-2, 2A, 2A2 Bedford Trent Enterprises	Reclamation Project 702 Refuse Bedford	District Total	



## GEOGRAPHICAL TABLE

			••	Ki	nd of	Kind of Opening			: Nur	nber ar	Number and Type			
				:Shaft:		Slope	: Drift:		: Lar	Lamps Used	P	: Pounds of	Pounds of Explosives Wised	-Nsed
		Д	Height:											Other
		Geological	. jo											Permis-
		Name	Seam :					:Gaseous or:	r:	:Flame	:Elec-	:Flame :Elec -: Ammonium		sible
	County	of Coal Bed I	Inches:	Depth:	Length	: Degrees	:Drift	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric:	s:Oper	:Safet	y:tric	: Nitrate	Dynamite (Name)	(Name)
Bethlehem Mines Corp.														
	Butler	Up. Freeport	52	ı		ı	Drift	Drift Gaseous	ı	59	200	ŧ	,	1,500*
Meredith Mining, Inc.														
	Butler	Up. Freeport	52	t		•	Drift	Drift Nongaseous	- SI	2	_	ı	ı	,
Republic Steel Corp.														
	Allegheny	Up.&Lo. Freeport	78	226	3501	226' 350' 13 <sup>0</sup> 53'	1	Gaseous	1	50	225		,	1,100
						Di	District Total	Total	ı	111	426	ı		2,600

District 2
No Deep Mines

	1,800	1,900*	350*	2,200%
	ı		1	•
	i	1	,	ŧ
	550	362	624	375
	70	92	62	09
		ı		
	Gaseous	Gaseous	Gaseous	Gaseous
	•	•	•	•
	190	17° 15°	180	
Strict 3	878'	542,789,	470,	ı
Dis	250	163 t 332 t	112' 209' 454'	378° 558° 654°
	06	83	06	06
	Pittsburgh	Pittsburgh	Pittsburgh	Pittsburgh
	Greene	Greene	Greene	Greene
	Nemacolin Mines Corp. Nemacolin	Dilworth	Robena No. 1 & M.U.S.	Robena No. 2

\* Tovex

	44000	Geological Name	Height: Seam :	Kind of Shaft: S	Kind of Opening t: Slope	: Kind of Opening : Number and Type : Lamps Used : Edsen : Edse : Elam : Electroner : Elam : Elam : Electroner : Elam : Electroner : Elam : Electroner : Elam : Electroner : Elam : Elam : Elam : Electroner : Elam :	Number and Lamps Used	Number and Type Lamps Used ::Flame :Elec-:	42	Pounds of Explosives Used Other mmonium Poramite (Nam.	Used Other Permis- sible (Name)
United States Steel Corp. (continued)	inued)	200 400									
Robena No. 3	Greene	Pittsburgh	90 5	503' 578' -	ı	- Gaseous	1	54 350	,	1	200*
Robena Preparation Plant	Greene		1			- Gaseous Total	1   1	4 58 256 1,624	1 1		1 1
					Dį	District Total	- 3	326 2,174	-	1	6,450
* R. D. Gel											
				District 4	4 3						
B & M Coal Co. B & M No. 2	Greene	Sewickley	- 55	1	•	Drift Nongaseous	- 81	4 7	1	1	
Central camping Diffing Co. Blacksville No.1 Shaft Blacks Run Shaft	Greene	Pittsburgh Pittsburgh	9 78	632' -	1 1	- Gaseous		2 12 2 12 2 12		12,000	
Dunkard Mining Co. Dunkard	Greene	Sewickley	- 54	1	ı	Drift Nongaseous				1	
Duquesne Light Co. Warwick No. 2	Greene	Pittsburgh	84			Drift Gaseous		26 158	1 1	350	1 1
Warwick No. 3	Greene	Sewickley	† †		ı					4,950	1
Ebernart, George R. Titus	Greene	Sewickley	- 87	1	1	Drift Nongaseous	,	4	1	ı	1
Emerald Mines Corp.  Emerald No. 1  Francis Fuel Inc	Greene	Pittsburgh	72 6	650' 2100'	16.50	- Gaseous	1	80 383	1	ı	125*
Francis	Greene	Sewickley	- 54	1	1	Drift Nongaseous	- SI	1 15	1	1	1
Iraingle Encerprises Bren-Mar	Greene	Sewickley	- 54	1	1	Drift Nongaseous	18	6 30		1	
* Redi-Gel					Di	District Total	- 2	228 1,091	•	34,950	125

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				Kind of	Kind of Opening		: Number and Type			
			Uotobe	Shaft:	Slope	:Drift:	: Lamps Used	: Pounds o	Pounds of Explosives Used	Used
		Geological	of :							Otner Permis-
		Name	Seam			: : Gaseous or:	or: :Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	Depth: Lengt	h:Degrees	:Drift:Nongaseo	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	: Nitrate	Dynamite	(Name)
Consolidation Coal Co. Renton	Allegheny	Double Freeport	84	511' -	1	- Gaseous	- 78 408	1	t	11,000
Harmar Coal Co. Harmar Oakmont	Allegheny Allegheny	Thick Freeport Thick Freeport	84	- 575'	14.02° 13°	Gaseous - Gaseous	- 36 215 - 35 119	1 1		200
Republic Steel Corp. Newfield	Allegheny	Thick Freeport	72	292' 561'1,450'	160	Total - Gaseous	- 71 334		1 1	300
					Ó	District Total	- 187 1,040	٠		22,100
* Tovex										
				District 6	9					
Consolidation Coal Co. Montour No. 4 Montour No. 10	Washington Allegheny	Pittsburgh Pittsburgh	99	800	170	- Gaseous Drift Gaseous	- 145 440 - 27 155 - 172 595			5,000*
Mathies Coal Co. Mathies	Washington	Pittsburgh	99	1	1	Drift Gaseous	185	1	1	5,650**
					Q	District Total	- 357 1,370	ı	1	10,650
* Dupont										
Bethlehem Mines Corp. Ellsworth No. 51 Somerset No. 60	Washington Washington	Pittsburgh Pittsburgh	69	District 278' 1249' 305' 1270'	17° 17°	- Gaseous - Gaseous Total	- 91 470 - 93 583 - 184 1,053			6,100* 2,900*** 9,000

	County	Geological Name of Coal Bed	Height: of: Seam: Inches:Dept	            	Brees: Dri	:Shaft: Slope :Drift: : Lamps Used  Height: : : : : : : : : : : : : : : : : : :	: Lamps Used :: :: :: :: :: :: :: :: :: :: :: :: ::	ps Used :: : : : : : : : : : : : : : : : : :	4 2	J. E	xplosives	Used Other Permis- sible (Name)
	Washington	Pittsburgh	410' 258' 63 268'	915	3° Dr	Drift Gaseous	,	78 3				150#
Maple Creek No. 2	Washington	Pittsburgh	63 382° 251°	1	1	- Gaseous Total	- -	76 4	430 -			300#
					Dist	District Total	•	338 1,870	- 041		6 -	9,450
* Tovex ** Hercogel # R.D. Gel												
				District 8								
Crescent Hills Coal Co., Inc.	Washington	Pittsburgh	- 78	,	- Dr	Drift Nongaseous	- sn	10			1	ı
Vesta No. 4	Washington	Pittsburgh	70 152'7"	1	1	- Gaseous	•	40	165 -		- 1	1,400*
Vesta No. 5	Washington	Pittsburgh	463'9'' 570'0'' 536'0'' 68 507'0'' 511'0''	1	1	- Gaseous		99	220		- 7	7,200*
Republic Steel Corp.						Total		106	715 -		0	8,600
Clyde	Washington	Pittsburgh	656' 635' 72 126' 113'		- Dr	Drift Gaseous	1	45	330 -		1	1
Tremont Mining Co. Vestal No. 4- No. 2 Hill	Washington	Pittsburgh	- 78	1	- Dr	Drift Nongaseous	ı sna	2	14 -		1	1
					Dist	District Total	1	163 1,122			00	8,600

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Operators and Mines	County	Geological Name of Coal Bed	Height: of Seam	Shaft:	Kind of Opening  E: Slope	pening pe Degrees	Drift	: Kind of Opening : Number and Type : Shaft: Slope :Drift: : Lamps Used : State: Seam : Gaseous or: :Plame :Elections : Depth: D	Number and Lamps Used :	Number and Type : Lamps Used : : ::Flame :Elec-:	1	Pounds of Armonium	Pounds of Explosives Used Othe Perm mmonium sibli	Used Other Permis- sible
Glen Irvan Corp. Bark Camp No. 1	Clearfield	Lo. Kittanning	30				Drift N	Drift Nongaseous		10	1	3 1	-	
Lady Jane Collieries, Inc. Stott No. 1	Clearfield	Lo. Kittanning	36				Drift N	Drift Nongaseous	•	26	,		1	44,350*
Manor Mining & Contracting Corp. Manor No. 44	Clearfield	Lo. Kittanning	36	1		1	Drift N	Drift Nongaseous			27			
						Ä	District Total	Total	•	36	96	ı	•	44,350
* Austin														
				Ιď	District 10	의								
Carpentertown Coal & Coke Co. Mahoning Creek No. 2	Armstrong	Up. Freeport	36	1	1,00	•	Drift	Nongaseous	1	36	06	,	1	,
Acystone Coal Mining Corp. Emilie No. 4	Armstrong Armstrong	Up. Freeport Up. Freeport	42	108	198'	16°15' 9°75'	Drift.	Gaseous Gaseous	1.1	30	243 141	1 1		1,000*
Jane Margaret No. 11	Armstrong Armstrong	Lo. Freeport Up. Freeport	54	1 1	335' 275' 385'	16°15' 9°	1 1	Gaseous Gaseous Total	-	115 20 235	466 80 930			3,600*
						Ä	District Total	Total		271 1,020	020		1	4,650
* Tovex														
Canterbury Coal Co. David DiAnne	Armstrong	Thick Freeport Lo. Kittanning	108	Distric	District 11 - ' 1150'	111 69	Drift	Gaseous Gaseous Total		80 20 100	190 80 270	1 1	- 1 1	2,000* 5,000* 7,000

				2	Kind of Opening	ening		••	Numbe	Number and Type	ype :			
				:Shaft:	Slope	e	:Drift:		Lamps Used	Used	!	Pounds of	Pounds of Explosives Used	Used
			Height:					••	••	••				Other -
		Geological	Jo					••	••	••	••			Permis-
		Name	Seam					:Gaseous or:		lame:	:Flame :Elec-:	Ammon i um		sible
Operators and Mines	County	of Coal Bed	Inches	: Depth	Length:	egrees	:Drift:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	Open: S	afety:	ric:	Nitrate	Dynamite	(Name)
Creighton Hills Coal Co.														
Creighton	Allegheny	Up. Freeport	72			•	Drift	Nongaseous	ı	2	က	1		
Kaskan Coal Co.														
Kaskan No. 2	Armstrong	Up. Freeport	57	ı	150'		•	Gaseous	ı	2	4	•	ı	**009
Leechburg Mining Co.						c								1
Foster No. 65	Armstrong	Lo. Kittanning	48	451	120'	16	•	Gaseons	ı	27	87		ı	100#
Loyal Creek Coal Co.														
Loyal Creek No. 2	Westmoreland	Westmoreland Up. Freeport	45	ı	ı		Drift	Nongaseous	ı	4	9			
Partner Coal Co.														
Gilmur No. 1	Westmoreland	Westmoreland Up. Freeport	77	ı	1	ı	Drift	Nongaseous	ı	2	œ		•	2,100**
Penn Allegh Coal Co., Inc.														
Allegheny No. 2	Allegheny	Up. Freeport	52	ı	1		Drift	Gaseous	•	40	250	•	1	2,000*
Allegheny No. 3	Allegheny	Up. Freeport	94	,	1	,	Drift	Gaseous		8	30	-	1	750*
,								Total		48	280	1		2,750
T & R Coal Co.														
T & R No. 1	Armstrong	Up. Freeport	40			ı	Drift	Nongaseous	ŀ	7	2	•	1	
Tunnelton Mining Co.				237		0								
Marion	Indiana	Up. Freeport	48	525	965	16	•	Gaseous		95	240			
Weimer Coal Co.										•				
Weimer No. 2	Armstrong	Up. Freeport	45	,		ı	Drift	Nongaseous		2	4	•	1	
						Q	District Total	Total		285	907	1		12,550

<sup>\*</sup> Tovex \*\* DuPont # Blasting Powder

		1	1,
1	100	-	100
	ı		1
85	37	300	422
25	6	- 75 300	. 109 422
			1
Drift Nongaseous	Drift Nongaseous - 9	820' 16° - Gaseous	District Total
Drift	Drift	1	strici
	,	160	PO
1	1	820	
113' 183'			
72	54	06	
Pittsburgh	Up. Freeport	Pittsburgh	
Allegheny Pittsburgh	Westmoreland Up. Freeport	Westmoreland Pittsburgh	
Ocean No. 5	Delmont Kesources, inc.	Republic Steel Corp. Banning No. 4	* Golobel

District 13

Operators and Mines County Jones & Laughlin Steel Corp. Shannopin Greene Isabella United Steels Steel Corp. Greene Mt. Braddock  * Perm Rock Powder  * Perm Rock Powder  Cannel Coal Co., Inc. Cannel No. 1 Inc. Caper Valley Ocal Co., Inc. Coper Valley No. 6 Davis Davis Davis Davis Davis Davis Emanuel Coal Co., Inc.  Jefferson Sugarcamp  Indiana Emanuel No. 1 Indiana	Geological Name of Coal Bed Pittsburgh Pittsburgh Pittsburgh		Height: Seam : Seam : Inches:Der  76 4  77 7 7 7  108 -	epth: Lengtl 191' 449' - 482' - 750'2,200'	: : : : : : : : : : : : : : : : : : :	rees:Drift:	191	s:	:::Plame nn:Safety 2 36 110 110 140	::::::::::::::::::::::::::::::::::::::	: Ammonium : Nitrate 0 - 1 1 - 6 - 7	Dynamite -	Other Permis- sible (Name)
	ž o		hes:Der	: 191: 149' - 182' 700' 50'2,200' -	: gth:Degre- 0' 14	::	: Gaseous : Gaseou: - Gaseou: - Gaseou ft Gaseou	300 S S S S S S S S S S S S S S S S S S	::Flame n:Safet 7] 11( 3) 14 14	E : Elec 27: tr16 6 15( 6 15( 0 11 0 53 7 93(		1	sible (Name)
			76 4 4 4 4 4 4 4 4 4 4 108 - 10	91' -49' -82' 700' 50'2,200'	0, 14	4°, -7° Drif	Gaseou: Gaseou: Gaseou: Caseou: Caseou	w w w	36 77 71 36 36 36 36 36 36 36 36 36 36 36 36 36	6 150 6 150 0 42 0 110 0 53 7 931	1 1 1		
nc.				700'50'2, 200		t°, -7° Drif	Gaseous Gaseou C Gaseou Total Ct Total				11 6 7	1	
nc.				50'2,200		7° Drif	. Gaseous t Gaseous Total Lct Total	11 1			1 5		1,450
c. Co., Inc. 6						Distri	ict Total						2,000*
ic. Co., Inc. 6 ial Co.										İ			3,450
c., Inc.													
Co., Inc. 6 ial Co.				Distri	District 14								
		Up. Kittanning	- 58	1	•	Drift	ft Nongaseous	eons		-			*07
		Up. Kittanning	72 -		1	Drift	ft Nongaseous	eons -		3		1	ı
s. Coal Co. 2 2 inc. 1		Up. Freeport	38 -		1	Drift	ft Nongaseous	eons -	. 10	10 50	- 0	1	850
	Up.	Freeport	36 -	2,000'	00	Drift	ft Nongaseous	eons -		7	- 7	09	ı
		Lo. Kittanning	34 -	200'		- 06	Nongaseous	eons -	7		1	1	,
	Lo.	Lo. Freeport	32 -		1	Drift		- snoa	. ,	3 18			1
	Lo.	Kittanning	- 04		1	Drift	ft Nongaseous Total	- snoa			4	100	
	Clarion A	n A	- 87		1	Drift		eous -		6 28	-	_ 1	,
Kennedy Coal Co. Kennedy No. 4 Jefferson		Lo. Freeport	27 -	'	'	Drift	ft Nongaseous	- snoə		2		1	
Kniseley Coal Co. Knisely No. 10 Jefferson		Lo. Freeport	- 24		1	Drift	Et Nongaseous	eons -		2 12	2	1	
Kraynak Coal Co. Kraynak No. 3 Indiana		Lo. Freeport	36 -		1	Drif	Drift Nongaseous	eons -	-	1 (	- 7	1,600	

		Geological	Height	: Ki	o pu	1 1 1	Drift		Numb Lamp	Number and Type	Type :	Pounds of	Pounds of Explosives Used	Used Other Permis-
Operators and Mines	County	Name of Coal Bed	Seam	ı ies:Dept	h: Length	:Degrees	: Drift:	Gaseous or: :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	Open:	:Flame :Elec-:	Elec-: tric:	Ammonium Nitrate	Dynamite	sible (Name)
Manor Mines, Inc. Manor No. 8	Indiana	Up. Freeport		38 -		,	Drift	Drift Nongaseous		10	47	1		500
						Д	District Total	Total	•	94	224	1	1,760 1,390	1,390
* Atlas														
					District 15	15								
Dixonville Mining Co. Dixon Run No. 6	Indiana	Lo. Kittanning	ing 38-40	0		•	Drift	Nongaseous	ı sə	3	16	ı	•	
Keystone Coal Mining Corp. Urling No. 1 Urling No. 2 Urling No. 3	Indiana Indiana Indiana	Lo. Freeport Up. Freeport Lo. Freeport		54 332'1, 40 256' 54 210'2,	332'1,250' 256' 900' 210'2,800'	16°15' 16° 8°	1 1 1	Gaseous Gaseous		50 25 40	190 141 137	1 1 1		570*
Mears Coal Co.								Total		115	408			0//
Chestnut Ridge Dixon Run No. 3 M. Y. No. 1	Indiana Indiana Indiana	Lo. Kittanning Lo. Kittanning Lo. Kittanning	38-	38 - 40 - 32 -			Drift Drift Drift	Nongaseous Nongaseous Nongaseous		10 9	26 20 20			1 1 1
Oneida Mining Co., The Oneida No. 4	Indiana	Lo. Kittanning		- 04	1	,	Drift	Gaseous		3	8			-
Penn Hill Coal Corp. Penn Hill No. 2	Indiana	Lo. Kittanning		42 -	,	1	Drift	Nongaseous	ı ss	6	34		1	1
Valley Coal Co. Valley No. 11 Valley No. 12	Indiana Indiana	Lo. Freeport Lo. Freeport		40 - 42 -	1 1	1 1	Drift Drift	Nongaseous Nongaseous Total	1 1 1 S	8 7 15	40 35 75	1 1		
						Ω	District Total	Total		164	629	ı	1	770
* Tovex														
Florence Mining Co., The Dias	Indiana	Lo. Freeport		38	District 16	16	Drift	Drift Gaseous	ı			ı	1	ı

				: Kind of Opening Shaft: Slope		Drift		Numbe:	Number and Type Lamps Used	lype :	Pounds of Explosives Used	xplosives	Used
Operators and Mines	County	Geological Name of Coal Bed	Helght: of Seam Inches:	Height: of :: Gaseous or: :Flame :Elec-: Seam : Gaseous or: :Flame :Elec-: Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	Degrees:	: : Drift:N	: :Gaseous or: :Nongaseous:	r: :Fs:Open:S	: Flame :Elec-: :Safety:tric :		Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Florence Mining Co., The (continued) No. 1 Mine Blacklick Portal India No. 1 Mine Robinson Shaft Portal India Florence No. 2	id) Indiana Indiana Indiana	Lo. Kittanning Lo. Kittanning Up. Freeport	68 57 72	325'1,250' 110' 520'	16°30'	Drift Drift	Gaseous Gaseous Gaseous Total		67 110 94 272	1		1,050 1,400 1,400 3,850	
North American Coal Corp. Conemaugh No. 1	Indiana	Lo. Kittanning	54	200'1,000'	140		Gaseous		33	162			[V] [
					D1	District Total	Total	.	305 1,132	132	1	3,850	٥
				District 17	17								
Associated Drilling Co., Inc. Kephart	Clearfield	Mid. Kittanning	32	1	1	Drift	Drift Nongaseous	ı sn	12	55			20*
Rushton Mining Co. Rushton	Centre	Brookville	55	230' 610'	160	•	Gaseous		64	250	-	- 2	2,500
					Id	District Total	Total		61	305	9	- 2	2,550
* Hercogel A													
				District 18	18								
Barnes & Tucker Co. Lancashire No. 24B Lancashire No. 24D	Cambria Cambria	Lo. Kittanning Lo. Freeport	42	- 1,600'	14° 14°	1.1	Gaseous Gaseous Total		78 70 148	270 360 630		850 5,350 6,200	1 1 1
Bethlehem Mines Corp. Mine No. 32				375' 545' 645'									

				Kind	Kind of Opening	B. Drift		. Numb	Number and Type	Type :	Pounds of	Pounds of Explosives Used	Used
			To toht.	olları.	34076	. 171 171				ļ			Other
		Geological	of							• ••			Permis-
		N S S S S S S S S S S S S S S S S S S S	Seam				:Gaseous or:		Flame:	:Flame :Elec-:	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches:	Depth: Len	gth:Degre	es:Drift	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	is:Open	Safety:	tric:	Nitrate	Dynamite	(Name)
Bethlehem Mines Corp. (continue)	-	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	67	6911			Capacita		5	380	,	,	24,105*
Mine No. 32	Cambria	Lo. Kittanning	7	733	•	ı	Gascous		3				
				,096									
						Distric	District Total		213	213 1,010		6,200	24,105
								-					
* Trodied													
				Distr	District 19								
Barnes & Tucker Co.									0	, 00		000	
Lancashire No. 25 Greenwich Collieries. Div. of	Cambria	Lo. Freeport	44	1	1	Drift	Drift Gaseous	ı	011	394		066,0	•
Pa. Mines Corp.				415'						,			
Greenwich No. 1	Indiana	Lo. Freeport	42	- 446' -	1	Drift	Drift Gaseous		118	631		٠.	4,450
Greenwich No. 2	Indiana	Lo. Freeport	42	507' -	1	Drift	Gaseous	. .	130 487	487			10,599
Hillsdale Mining Co.							100		247	2			10,000
Hillsdale No. 1	Cambria	Mid. Kittanning	36	1	1	Drift	Nongaseous-	-sn	4	15	1	1	-
						District Total	t Total		362 1,527	,527	ı	6,950	15,049

			: King	Kind of Opening			: Numbe	: Number and Type			
			:Shaft:	Slope	: Drift:		: Lamps	Lamps Used	: Pounds of	Pounds of Explosives Used	Used
			Height: :								Other
		Geological	: ; jo								Permis-
		Name	Seam : :			:Gaseous or:		lame : Elec-	:Flame :Elec-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric : Nitrate	ength: Degree	s:Drift	Nongaseou	s:Open:S	afety:tric	: Nitrate	Dynamite (Name)	(Name)
Bethlehem Mines Corp.			643								
Mine No. 31	Cambria	Lo. Kittanning	42 36' 1	36' 10,500'3.5°		Gaseous		110 417	ı		2,000*
			24								
Brookdale No. 77	Cambria	Lo. Kittanning	36		Drift	Drift Gaseous		55 253	-	1	1,350**
						Total		165 670	Mary Service Committee Com		6,350
				0	District Total	Total	,	165 670	,		6.350
				,							

\* Hercogel B

		2,968*	4,882*	100**	10,950		*		25#	1,175#	1,200				-	12,150
			•	1	1				•				•		1	•
				-	1						-					•
		275	75	142	492	-	98		212	258	470		6		90	292 1,235
		09	30	24	114	1	25		59	62	121		16		16	292
		1	1				ı		1	1						
		Drift Gaseous	Drift Gaseous	Drift Gaseous	Total		Drift Nongaseous		Drift Gaseous	- Gaseous	Total		Drift Gaseous		Drift Nongaseous -	District Total
		Ğ	Q	Q			3° D1		ū	٥.			ā		Ŋ	Dist
t 21			ı	1			e		١	17			1		١	
District 21			,				•		,	520			ı		ı	
äl		254								•			ı		1	
		36-54	30-45	47			40		42-44	42-50			72		20	
		Lo. Freeport	Up. Freeport	Up. Kittanning			Lo. Freeport	,	Up. Kittanning	Lo. Kittanning	0		Up. Kittanning		Up. Kittanning	
		ם	ח	D			ם			-	ł		ח		ח	
		Cambria	Cambria	Cambria			Cambria		Somerset	Cambria			Cambria		Cambria	
	Bethlehem Mines Corp.	Ehrenfeld No. 38-D	Ehrenfeld No. 38-E	Solomon Run No. 73		Harmony Mining Co.	Harmony No. 1	Island Creek Coal Co.	Bird No. 2	Bird No. 3		Jandy Coal Co., Inc.	Eureka No. 40	Longwall Mining, Inc.	Longwall No. 1	

\* Tovex \*\* Hercogel A # Austin RD Gel-B

District 22

			T to	Shaf	ind of	Kind of Opening t: Slope	:Drift:	Numi	Number and Type	Type :	Pounds of	Pounds of Explosives Used	Used
	S	Geological	Height:										Other Permis-
	Z	Name	Seam :		'	'	: :Gaseous or:		:Flame :Elec-:	Elec-:	Ammonium		sible
County	0	of Coal Bed	Inches:	Depth	:Length	:Degre	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	:Oben	Safety	tric:	Nitrate	Dynamite	(Name)
Somerset		Mid. Kittanning	09	ı		,	Drift Gaseous	1	77	143		,	25,200*
Comprop		Ila Vittannina	7,2				Drift Nongagoons	-	1		,	105	
20000		9	7		ı		noiseascons	4	ı		l	0	,
Somerset		Up. Kittanning	35	,	,	ı	Drift Nongaseous	•	4	22	1	1	,
Somerset		Lo. Kittanning	84	1	1240'	160421	- Gaseous	1	40	230		,	120
O S S S S S S S S S S S S S S S S S S S		7 C C C C C C C C C C C C C C C C C C C	67	(		1	Dwift Mongagoois		4	5	,	1	
5		1	1				Trice would are a		•	1			
Somerset		Up. Kittanning	38-42	,	1	,	Drift Nongaseous	1	12	30	ı	1	
Somerset		Up. Kittanning	48	,		,	Drift Nongaseous	'	16	80	,	,	,
Somerset		Up. Kittanning	37-42	ı	ı	ı	Drift Nongaseous	1	1	2	1	2,050	1
			:				:						
Somerset		Lo. Kittanning	77		ı	ı	Drift Nongaseous	1	15	74.0	ı	ı	ı
Comorgot			5 5	1 1			Drift Nongaseous	1 1		25	1 1	1 1	۱ ۱
Comoract		To Vittoniing	0 0	1 1			Des for Nonegogous		10	0 0			
SOURT S			9		ı	ı	Diffe Nongaseous Total		47	135			
9		9	۲,				A Prof.		,	,			900
Solar Fuel Co., A Gulf & Western Co.		d latte	7		ı	•	DITT Nougaseons		7	D	ı		200
Somerset		Up. Freeport	97			•	Drift Nongaseous	1	2	26			1
Somerset		Up. Kittanning	36	ı		,	Drift Nongaseous	1	3	6		1	1,260**
						Н	District Total	1	180	734	,	2,155	26,880

\* NP 299 \*\* Austin #11 Perm Schell

District 23

				K	Kind of Opening	ening			umber a	Number and Type			
			••	:Shaft:	Slope		:Drift:	. L	: Lamps Used	eq		Pounds of Explosives Used	Used
			Height:										Other
		Geological	of:		••			••					Permis-
		Name	Seam :		••		: :Gaseous or:	or:	:Flam	e :Elec	:Flame :Elec -: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	Depth	Length: D	egrees	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	us:Op	en:Safe	ty:tric	: Nitrate	Dynamite	(Name)
G. M. & W. Coal Co., Inc.													
Grove No. 1	Somerset	Up. Kittanning	72			1	Drift Gaseous		(*)	30 260			1
Grove No. 3	Somerset	Up. Freeport	84			1	Drift Nongaseous	ns		20 180		182	1
							Total		,	50 440		182	
Mark Mining, Inc.													
Mark No. 1	Somerset	Lo. Kittanning	72-78	1	1	1	Drift Nongaseous	ns	7	1 150		1	1
Mark No. 2	Somerset	Lo. Freeport	30		.,	1	Drift Nongaseous	ns	. 7	20 48		1	1
							Total		9	61 198		1	'
Penn Pocahontas Coal Co.													
Black Mountain	Somerset	Brookville	84	1	1	1	Drift Nongaseous	ns		3 15	1	1	'
Solar Fuel Co., A Gulf & Western													
Solar No o	30000	200000	7''				Des 6t Nonce			0,4			
Spewock, Theodore	nas jamos	op. Freeport	9	1	1	1	Dritt wongaseous	sn		00 +.	•	•	1
Clark Hollow	Westmoreland	Westmoreland Lo. Freeport	48	1	1,000,1	1	Drift Nongaseous	- 1		1 1	1	25	'
						DI	District Total	'	12	129 712	1	207	'

	1,000*	41,045**	100#	42,145
	1	1		•
	,			1
	115 395	150 923	4	266 1,322
	115	150	1	266
	•	1		•
	Gaseous	Gaseous	Drift Gaseous	District Total
			Drift	trict
24	140	170		Dis
District 24	1600'	3000		
ы	801	640° 666° 451° 475°	1	
	55	45	84	
	Lo. Kittanning	Up.&Lo. Kitt.	Lo. Kittanning	
	Cambria	Cambria	Cambria	
	Jarnes & Tucker Co. Lancashire No. 20	Bethlehem Mines Corp. Cambria Slope No. 33	Stella Maris Coal Co. Stella Maris	

\* Dupont & Hercules \*\* Dupont # Hercogel

				: Ki	Kind of Opening	1 1	: Drift:		: Numb	: Number and Type	Type :	Pounds of	Pounds of Explosives Used	s Used
			Height:						1	**				Other
		Geological	of							•••	••			Permis-
Onerators and Mines	County	Name of Coal Bed	Seam	Depth	: Length:	Degrees:	): Drift:D	Seam : :Gaseous or: :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	s:Open:	:Flame :Elec-: :Safety:tric :	Elec-: tric :	Ammonium Nitrate	Dynamite	sible (Name)
Helen Mining Co., The Homer City	Indiana	Up. Freeport	97	620'	2700'	1620		Gaseous		122	480	1	'	350*
Helvetia Coal Co.	Indiana	Up. Freebort	48-72	6361	2100' 1	16015	ı	Gaseous	1	133	502	1	1	11,142**
Lucerne No. 8	Indiana	Up. Freeport	42			16015	- G	Gaseous	1	42	160	ı	1	950**
Lucerne No. 9	Indiana	Lo. Freeport	42	1	285'	160	1 0	Gaseous Total		250	215		1 1	500**
North American Coal Corp. Aulds Run No. 2	Indiana	Lo. Freeport	07	1		,	rift N	Drift Nongaseous		22	108	1	1	250
						Dist	District Total	otal	٠	394	1,465	1	ı	13,192
* Amos Dolby														
** Tovex														
					Distr	District 26								
Bethlehem Mines Corp. Marianna No. 58	Washington	Pittsburgh	89	1097	-	9	- G	Gaseous	1	119	583	,	1	ı
Canon Coal Co. Pitt Gas	Greene	Pittsburgh	72	30'	150,	170	ı,	Gaseous	1	18	81	ı	1	ı
Consolidation Coal Co. Westland No. 1 Westland No. 2	Washington Washington	Pittsburgh Pittsburgh	62	1 1			Drift Gaseous Drift Gaseous	Gaseous	- 1	76 40	310			1,850
Gateway Coal Co.				133'			-	otai			25			000
Gateway	Greene	Pittsburgh	70 5	487' 556' 559'4'' 487'	1	1	ı	Gaseous	1	182	069	ı	1	8,050*
Peggs Run Coal Co., Inc. Peggs Run	Beaver	Up. Freeport	48			-	rift N	Drift Nongaseous	1	2	2		1	

\* Blast Gel

006,6

437 1,806

District Total

Tool	Orber	Permis-	sible	( name)	,			,	ı		,			20	380	100		300	200	, ,	2 5	150	1 270	2/76					28,975*	9,595*	38.570			-	1
Donn do of Paral column Hood	Explosives		Demond to	a diameter	14,333	007	001	2,700	1		12,500	5,200	21,1100	8.700	20,200	1,400	1	3,000	2,000	009	3,100	4,200	800	2000		14,862				1,586	4.751		25,714	26,884	300
0	roauga or		Ammonium	200	411,281	0	6,0/5	2,000,000	1		70,000	26,000	200,00	16.900	336,400	34,400		78,800	50,000	22,000	26,000	28,000	25,500	000,010		1,293,238	1,500		593,618	242,750	836.368		166,682	13,520	6,400
Number and Type :	nas.		:Flame :Elec-:				· ·	1		1		Total	Torat										Total	Torat							Total			Total	
: Number and	right of		6	is obening				1		1								1								1				,					
			:Gaseous or:	· wougaseou				1		1	,							1									1			1			,		
Ing.	17170		: :	1000000				1			'							1									'						1		
Kind of Opening	adore .		:	engent neg	'		•	•		•	'							'								1	'			'			•		ľ
Kin	. Sugare:		: : ::							1	'																,						1		1
	Haiohr	of	Seam	THE	20	c	32	28	36	0	34	07		67			36-			33	33	33	33			30	87	!	26	26	32		22-10	22-10	67
		Geological	Name	7500	Lo. Freeport		Up. Freeport	Lo. Kittanning	110	ob. Freeport	Lo. Freeport	Lo. Freeport		Ilb. &Lo. Clarion	Mid. Kittanning	Up.&Lo. Clarion	Up.&Lo. Clarion	Mid. Kittanning	Mid. Kittanning	Lo. Freeport			Lo. Freeport			Lo. Freeport	Ilb. Kittanning		Lo. Kittanning	Lo. Kittanning	Brookville		Lo. &Mid. Kitt.	Lo. &Mid. Kitt.	Freeport
			1	Common of the co	Butler		Butler	Butler	14:0	Tallng	Butler	Butler		Rurler	Butler	Butler	Butler	Butler	Butler	Butler	Butler	Butler	Butler			Butler	Beaver		Butler	Butler	Butler		Beaver	Beaver	Butler
				orp.	571-8	Co.	79-20	558-4	617_10	01/-12	nc. 633-8	633-9		289-18A	289-22A	No. 289-23&23A	No. 289-25	No. 289-27	289-27A				289-30A2	Co.	1169-2, 3,		1393-1		4-170	4-171		Clay Co.	336-4	336-6	1600-17
			Once or ord	Allegheny Mineral Corp.	Strip Permit No. 571-8	Altmire Bros. Coal Co.	Strip Permit No. 29-20 B & D Coal Co.	Strip Permit No. 558-4	B. H. & H., Inc.	Stilp reluit No.	Strip Permit No. 633-8	Strip Permit No. 633-9		Strin Permit No. 289-18A	Strip Permit No. 289-22A	Strip Permit No.	Strip Permit No.			Strip Permit No.	Strip Permit No.	Strip Permit No.	Strip Permit No.	Bracken Construction Co.	Strip Permit No. 1169-2, 3,	5, 6, 7 & 10	Brush Run, Inc. Strip Permit No. 1393-1	C & K Coal Co.	Strip Permit No. 4-170	Strip Permit No. 4-171	Auger-BAM-828	Darlington Brick & Clay Co.	Strip Permit No. 336-4	Strip Permit No. 336-6	Darmac Coal, Inc. Strip Permit No. 1600-17

				Kind	Kind of Opening			- Numbe	Number and Tyne	. oun			
				Shaft:	Slope	:Drift		: Lamps Used	Used		Pounds of	Pounds of Explosives Used	Used
			Height:										Other
		Geological	of :						••	••			Permis-
		Name	Seam :				Gaseous or:	H .:	:Flame :Elec-:		Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches:	Jepth: Le	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	s:Drift	Nongaseon	:Open:S	afety: t		Nitrate	Dynamite	(Name)
Daset Mining Corp.	1		1										
Strip Permit No. 1551-10 Davis Bros. Coal Co.	Butler	Up. Freeport	. 2/		1		1	ı					
Strip Permit No. 1607-1	Beaver	Pittsburgh#8	. 04		1	1	1	,	,		,	,	,
Duncan Coal Co.													
Strip Permit No. 1232-3	Butler	Mid. Kittanning	38		'	1	,	,	1		,	ı	ı
Strip Permit No. 1232-7	Butler	Lo. Freeport	36										
Strip Permit No. 1701-1	Beaver	Up. Freeport	28	1	1	1	1	1	ı		1	,	
H & D Coal Co.													
Strip Permit No. 1199-6	Butler-Ven.	Lo. Kittanning	30		1	•	1	,	1	- 2,(	2,001,575	90	1
Highway Mining Co.													
Strip Permit No. 1548-2 & 2A2	Butler	Up. Freeport	. 84			1		ı	ı		13,600	3,637	,
Strip Permit No. 1952-1	Butler	Up. Freebort	36		ı	ı	•	ı	,		ı	,	
Johnston, Robert J.			,										
Special Project No. 464	Butler	Brookville			ı	ı	,	,	ı		1		
Kelly Mining Co.													
Strip Permit No. 521-2&2A2	Beaver	Up. Freeport	42		•	1		ı	,		49,320	1,107	
Strip Permit No. 41-42	Beaver	Brookville	30								019 970	10.363	146 352
Strip Permit No. 41-44644A	Butler	Mid. Kittanning	32				1				159,180	1,212	37,780
Strip Permit No. 41-45	Butler	Mid. Kittanning	32			ı					248,720	3,390	57,650
Strip Permit No. 41-46	Butler	Mid. Kittanning	32								100,420	820	5,820
200									Total		728,290	14,785	247,602
Lucas Coar Co., Inc.			c										
Stilp Fermit No. 1000 c	parter	CLAFION	000									ı	ı
Strip Fermit No. 1680-5	Butler	Lo. Kittanning	18							,	1	1 0	1
	Butler	Clarion	18-42	1	1	ı	,	1	1	- 1,4	1,465,529	46,803	ı
Strip Permit No. 1680-9	Butler	Up. Freeport	24							. ,	300,758	7,095	ı
	Butler	Up. Freeport	84							. ,	349,625	39,796	ı
Strip Permit No. 1680-11	Butler	Clarion/B'ville	42							17	1,406,881	102,207	1
									Total	,	3,522,793	195,901	-
Malinski, Charles P.													
Strip Permit No. 1795-1	Butler	Up. Freeport	36	1	•	ı	1	ı	,			1	ı
Strip Permit No. 1795-3	Butler	Mid. Kittanning	30								469,000	5,705	1
									Total	1	499,000	5,705	

				Kind of Opening	: gul	: Numb	Number and Type :			
			:Shaft:	t: Slope	:Drift:	: Lamp	Lamps Used :	Pounds of	Pounds of Explosives Used	Used
			Height:							Other
		Geological	: ;o							Permis-
N. Francisco		Name	Seam :		: :Gase	: Gaseous or:	:Flame :Elec-:			sible
Miller & McKnight Coal Co., Inc.		מל ממנו חבת	THEHES: DEDI	III. Leiigeii. Deg	inches. Depth. bength. Deglees. Dilit. Nongaseous. Open: Salety: tric.	aseous open:	Salety: LFIC :	NICIALE	Dynamite	(Name)
Strip Permit No. 240-17A	Butler	Mid. Kittanning	34					350,000	12,500	1
Strip Permit No. 240-21	Butler	Mid. Kittanning	34	1		1		5,000	750	
Nontes Names							Total	355,000	13,250	
Strip Permit No. 1787-1	Beaver	Mid. Kittanning	32 -				•	1	1	,
Nastasi Coal Co.										
Strip Permit No. 645-1	Butler	Up. Kittanning	34 -					1	1	,
Pengrove Coal Co.										
Strip Permit No. 74-16	Butler	Kittanning	32 -					301,501	10,000	1
Perry Bros. Coal Co.										
Strip Permit No. 72-18	Butler	Brookville	36 -				1	233,620	•	,
S.B.P. Coal Co.										
Strip Permit No. 147-12	Butler	Up. Freeport	31 -	1			1	704,415	10,950	
Smith, Lester										
Strip Permit No. 1671-1	Butler	Up. Freeport	36 -				1	85,420	2,550	1
Stefkovich Brothers, Inc.										
Special Project No. 325	Beaver	Pittsburgh	- 09					1	,	
Sunbeam Coal Corp.										
Strip Permit No. 179-30	Butler	Lo. Freeport	24					8,000	ı	1
Strip Permit No. 179-31A	Butler	Lo. Freeport	30					. 1	1	1
Strip Permit No. 179-33	Butler	Up. Freeport	30 -	•			,	32,625	1,200	,
Strip Permit No. 179-36	Butler	Brookville	22					190,603	5,700	
Strip Permit No. 179-37	Butler	Up. Freeport	30					134,476	7,770	,
Strip Permit No. 179-42	Butler	Up. Freeport	24					482,405	14,250	1
							Total	848,109	28.920	
Tiche Limestone & Construction Co.	,ος									
Strip Permit No. 207-1 & 2	Butler	Cannel	30 -						•	1
Vetica Construction Co.										
Strip Permit No. 627-7	Beaver	Lo. Kittanning	32 -					276,000	20,000	
West Freedom Mining Corp.										
Strip Permit No. 68-32	Butler	Lo. Kittanning	38						ı	1
Strip Permit No. 68-34	Butler	Up. Freeport	36					19,960	1,444	,
	Butler	Up. Freeport	30					23,280	231	1
Strip Permit No. 68-36	Butler	Up. Freeport	36					19,300	1,369	1
							Total	62,540	3,044	1

			)	Kind of Opening	Opening			: Number and Type	Type :			
			:Shaft:		Slope	: Drift:		Lamps Used		Pounds of	Pounds of Explosives Used	used s
			Height:				١					Other
		Geological	: jo									Permis-
		Name	Seam :			: :Gased	:Gaseous or:	:Flame :Elec-:	Elec-:	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches: Dept	:h:Length	: Degrees	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	o:seoas	en:Safety:		Nitrate	Dynamite	(Name)
Western Hickory Coal Co.												
Strip Permit No. 152-12	Butler	B'ville/L.Kitt.	30							55,100	1,330	12,600**
Strip Permit No. 152-14 & 14A Butler	4A Butler	B'ville/L.Kitt.	30 -	ı	ŧ	1	•	1	1	322,300	7,460	74,650**
Auger-BAM-942	Butler	B'ville/L.Kitt.	30							43,200	7,910	103,100**
								Total		420,600	16,700	190,350
Wright, Grant R.												
Strip Permit No. 117-7	Butler	Lo. Kittanning	28		1	1	,			1	1	1
Strip Permit No. 117-8	Butler	Lo. Kittanning	28							42,250	4,554	1
								Total	1	42,250	4,554	1
							Dis	District Total		15,595,097	458,169 477,792	477,792

	,	1	ı	1	1		ı		1		ı		1	ı	1	1	
	200	260	ı	1	1,060		1		ı		ı		000,6	820	4,912	ı	14,732
	125,000	140,000			265,000				1		1		273,350	24,850	149,100		447,300
					Total		1		ı		ı			ı			Total
			ı		Tot		1		ı		1			1			Tot
			ı				ı		ı		ı			ı			
			1				ı		1		ı			1			
			ı				1		ı		ı			1			
31			ı				ı		1		ı			1			
District 31			ı				1		1		1			1			
11			ı				ı		ı		ı			1			
	28	28	28	28			70		48		28		29	29	29	29	
	Brookville	Lo. Kittanning	Lo. Kittanning	Lo. Kittanning			Up. Freeport		Brookville		Mid. Kittanning		Mid. Kittanning	Mid. Kittanning	Mid. Kittanning	Mid. Kittanning	
	Lawrence	Lawrence	Lawrence	Lawrence			Lawrence		Mercer		Lawrence		Lawrence	Lawrence	Lawrence	Lawrence	
Ambrosia Coal & Construction Co.	Strip Permit No. 103-5	Strip Permit No. 103-13	Strip Permit No. 103-16	Strip Permit No. 103-18		Amerikohl Management Corp.	Strip Permit No. 1920-5	Atwell, Neil	Strip Permit No. 1867-1	Blum Coal Co.	Strip Permit No. 1967-1	Carlson Mining	Strip Permit No. 487-2A7	Strip Permit No. 487-2A9	Strip Permit No. 487-4	Auger-BAM-396	

\* Tubes \*\* Slurry

				Shaft:	Kind of Opening	:Drift:		: Lamber and	Number and Type Lamps Used	/pe :	Pounds of	Pounds of Explosives Used	Head
			ght	'						 			Other
		Geological	: jo	••					••				Permis-
		Name	Seam :		,		:Gaseous or:	r: :F	:Flame :Elec-:		Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches: I	epth: Le	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	es:Drift:	Nongaseou	s:Oben:S	afety: t	- 1	Nitrate	Dynamite	(Name)
Kerry Coal Co. Strip Permit No. 41-47	Lawrence	Mid. Kittanning	32								30 002	7. 570	007 58
Strip Permit No. 41-48	Lawrence		32								1 850	30	1,100
Strip Permit No. 41-49 & 49A	Lawrence		34.		1	•			,		50.200	360	1,500
Auger-BAM-729	Lawrence		32										
Lucas Coal Co. Tuc.									Total		491,145	4,960	88,000
Strip Permit No. 1680-12	Mercer	Brookville	- 07		•	1		,	,		20,480	2,375	,
Medusa Cement Co. Strip Permit No. 360-1	Lawrence	Lo. Kittanning	14		'	1	,	,	,				
Miller & McKnight Coal Co., Inc.													
Strip Permit No. 240-20	Lawrence	Mid. Kittanning	28		1	٠	•		•		135,000	3,000	
Perry Bros. Coal Co.	,	-	č										
Strip Fermit No. /2-10	Mercer	Brookville	36		•	1	,	,	,			ı	ı
Strip Permit No. 72-17	Mercer	Brookville	36								96,600		
Dittahingh Dafine									Total		96,600	-	
Strip Permit No. 495-2	Lawrence	Up.&Lo. Kitt.	18-28		•	1		•					
Smeltzer, Joseph													
Strip Permit No. 1291-2	Mercer	Brookville											
Strip Permit No. 1291-3 & 3A	Mercer	Brookville	32		•	1	ı					•	ı
Strip Permit No. 1291-4 & 4A	Mercer	Brookville	32										
Strip Permit No. 1291-5	Mercer	Brookville	42										
Thompson Mining Co.													
Strip Permit No. 523-11	Lawrence	Lo. Kittanning	30		1	•	1			4	436,414	27,265	
Veon, Inc., Ralph A.													
Strip Permit No. 40-9	Lawrence	Lo. &Mid. Kitt.	06										
Strip Permit No. 40-16	Lawrence	Lo.6Mid. Kitt.	90										
Strip Permit No. 40-17	Lawrence	Lo. &Mid. Kitt.	- 06			•	1	,				1	•
Strip Permit No. 40-19	Lawrence	Lo. &Mid. Kitt.	90										
Strip Permit No. 40-20	Lawrence	Lo. &Mid. Kitt.	06										

			DISCLICE 31		
			Kind of Opening: : Number and Type : Shaft: Slope :Drift: : Lamps Used :	Pounds of Explosives Used	Ives Used
		Geological Name	<	Ammonium	Other Permis- sible
Operators and Mines	County	of Coal Bed	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric : N	Nitrate Dynamite	
Willowbrook Mining Co. Strip Permit No. 130-9	Mercer	Brookville	52 1,44	1,443,293	
			District Total 3,33	3,335,232 53,392	88,000
			District 32		
pollo Corp., The Strip Permit No. 1115-6	Washington	Redstone	36	1	,
ologna Mining Co. Strip Permit No. 248-12	Washington	Waynesburg			,
Strip Permit No. 248-19	Washington	Pittsburgh #8	1,30	1,300,338 03,409	-

9,605 1,839 4,772 170,840 352,920 2,029,310 117,640 Total 09 Pittsburgh #8
Pittsburgh #8
Pittsburgh #8
Pittsburgh #8
Pittsburgh #8
Pittsburgh #8
Pittsburgh #8 Pittsburgh #8 Allegheny Washington Washington Washington Washington Washington Washington Allegheny Apollo Corp., The Strip Permit No. 1115-6 Bologna Mining Co. Strip Permit No. 248-19 Strip Permit No. 248-25A Strip Permit No. 248-35 Strip Permit No. 248-33 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Strip Permit No. 248-34 Special Project No. 381 Strip Permit No. 1458-1 C & M Coal Co.

# MRLIGH 12

				A Table	D 71	An Ha		Hamily	Humber aml Type	Fylie	4		
			Hadolit	BHBILL	atobe	110:	111	LAMIN	. Lemps used	Î	LOUBLING OF	Formula of Emplosives Used	Used
		then tag to a t	1										Termin B
		Name	Не аш				HARRING IN.		Flame Blee	Blee .	Ammerit im		8 11.1e
Upelators and Mines	County	of Coal Red	Inche	माम्बन्ध	Inches:Depth;bength;Degrees:Dilft.Mongasous:Open:Balety.tild	енв: Вт Г	Г. Мондавео	на:Орен:	Balety.	tile i	Hittate	Вуняшате	(Hame)
IMM Bervines													
Birth Permit No. 1366 t	Washington	Pittshingh #H	11/6										
Reep Valley Coal Co., tuc.													
Mirto Count Nos 1129 184	Allegheny	Pittaburgi	3					÷					
Marian a company of the land	Altenhous	Pitt Calminals	611										
tusse, Victor													
Mith Permit No. 1964-1	Washington	Heilatune	(11)										
Special Project No. 11	Washington	PILLaburgh	/10										
Strip Permit No. 809-7	Washington	Precedentel	919										
Fleritin Met (nat in , inc.	A STATE OF THE STA		100										
Many Report of the Control of the Co	WAGILLIGHT	11118001100	11										
String County No. 616 4	Manhilmeton	Mannoplini	611								4		
Mit to Count No. 6 th	Machineton	Manhinutun	(19)								051 179	16 750	
	I								Total		6/1,150	(6,790	H
Wing, Charles W.													
Stilp Peinlf No. 109 5	Washington	Pittsburgh	2.5							ı			v
Flerk Chal Ch.													
Special Project No. 612	Washington	Pittelmigh	(10)			0.	v						
Harasty that the													
Meerial Project No. 169	Washington	Pittenfort Hi	1.5				3						
AND THE PROPERTY OF THE PARTY O	the all front one	Miss above of	1,1								051	900	
theat butatites, the	MARKET THE THE	1111	,									1111	
Birth Permit No. 1215.1	Washington	Pittaburgh	911	ļ					÷	į,	1,5000	175	5
Mareral Corp.													
Milp Permit No. 1850-1	Allegheny	Pittehnigh	110	,			i.			į.			
			-										
Midney that I'm eat No. 611	АПедпену	111111111111111111111111111111111111111	1/1				×						
Marin Count New 1070 3 A													
44.6.64.76.13.17	Washington	Pittalmugh	48 611				-			- 4.	4,527,675	- /4	4619,6134
Mr. Their Minerala, tue,													
Strip Permit Nos. 1751-1 & 1	Washington	Pittehnigh	===	1	1				è	ı	÷		
Mit to Bermit No. 1169 9	Manufacture Laure	Redatime	174		1		,		å				
The same of the sa	Mean man a same	Hewlichley	90										

1964   County   Caological   Institute   Hame   H					1 Kind of	Kind of Opening	Delle		Number and :	Number and Type	ype i	Pounds of	Pounds of Explosives Band	lland
Cooling Lead				Halphi			-	840	-					Other
1964-1   Mashington   Pittshurgh #81   60   2.375   1975-1   197			Geological	Heam				Gaseona or		Ame IE		Anmon Lun		Formin
1506=1	Operators and Mines	County	of Coal Bed	Theheal	Depthitong	h Dagrees	DILLE	Neurgagemen	Openib	Telyit	_	NICEBIA	Dynamile	(Name)
Ho. 1964-1   Mashington   Pittsburgh #8	Paugerala Coal Co.													
Section 574   Alleghany   Pitteburgh #8   God   Collision 675   Collision 67	Herip Permit No. 1'904-1	Washington	Fill shurgh #!!	. 09					•		1	4,600	2,875	
Hot. 173-22   Washington Filtsburgh #8 54 (492,400 164,364 1.14.60	Special Project No. 174	Altegheny	Pittaborgh #11	00							1		40.00	
Heart No. 633   Washington Fittsburgh #8 5% 692,600 164,364	Parnell, James									101.01	1	000 %	6,073	
Ho., 430-1         Washington         Fittshungh #8         \$A =	Special Project No. 633	Washington	Pittaburgh	11/4	1								1	
Ho. 171-22   Mashington Pittsburgh #8 54 692,400 164,534   Ho. 171-22   Mashington Pittsburgh #60 692,400 164,534   Ho. 150, 22   Mashington Fittsburgh #60 147,0HO 69,666   Ho. 179-22   Mashington Fittsburgh #60 147,0HO 69,666   Ho. 160, 222   Allegbary Fittsburgh #60 147,0HO 69,666   Ho. 160, 222   Mashington Fittsburgh #60	Pennweir Construction Co.													
0.         0.<	Hertp Permit No. 171-22	Washington	Pittshurgh #8	1/6		ı	ı				6.0		10%, 34%	9
180, 480-1   Mashington Filiaburgh 60 147,080 69,666	Patrices Cost Co.													
10.   179-22   Washington Redstone   4.0     -   -   147,000   09,666     10.   179-22   Allegheny Filtsburgh #8   60   -   -     -	Hirth Permit No. 480-1	Washington	Pittaburgh	09					ı			ı	ı	
10. 568-6   Allegheny   Filtaburgh   60	Piccolomini, William													
11,400   1,540   1,5	Hirlp Permit Bo. 159-22	Wantilinglone	Madel one	01/				1			1.49	7,000	999,09	
Ho. 568-6   Allegheny   Filtehorgh #8   60     -   11,400   1,540     J.   Ho. 568-6   Allegheny   Filtehorgh #8   60     -	Kam Construction Co., Inc.													
Ho, 568-6	Special Project No. 722	Allaghany	Piliahnr Eh	00						1				1
16. 568-6	Restat's, inc.													
1.   1.   1.   1.   1.   1.   1.   1.	Mirip Permit Ho. 56H-6	Allegheny	Pittaburgh #B	00			91		į.		-	1,400	1.540	'n
	Hemitan, foneph f.													
Hers, 140-79 Washington Pittsburgh #8 60 15,475 1,47	Special Project So. 525	Wantington	Pittabut Eh	0.0			1	1				,		).
Ho, 140-79   Machington   Piliphorgh #11 481     15,450   1,473	Bieffervich Brothers, inc.													
Hos. 1765-L. Beaver Viltaburgh #81 481	Hertp Permit Ho, 140-79	Washington	Pittaburgh	09							_	5,450	1.4.73	
inglest No. 5699 Mashington Pittabungh #N 4N	Warrieb, II. E.													
mil No. 1765-L Beaver Pittaburgh 60	Special Project No. 609	Washington	Pittaburgh #11	1117		1					1			A
Beaver Pittaburgh 60	Keent Corp.													
Washington Pittaburgh 6H	Hertp Permit Nov. 1765-1	Hanvar	Pittaburgh	0.0										
Beaver Pittaburgh An Tertal	Hertp Permit Ho, 1765-4	Waahilngton	Pittalongh	119		ě	×			9.			T .	A
6,171,715 315,815 3	Apacial Permit Re. 117	Heaver	Pittaburgh	411								-	4	14,70044
617,171,0										Trital			-	14,700
0.171,715 151,815														
								2	latitet	Telal	11.17		151,815	10.113

\* Preston Aquaram Power Primer

## District 32A

			741			;				
			Shaft:	t: Slope :D	Drift	. Lamps	Number and Type Lamps Used		Pounds of Explosives Head	Ilead
			Height: :						2004	Other
		Geological	jo		••		••			Permis-
M Production Co.		Name	Seam :	'	: Gaseous or:	or: :F	:Flame :Elec-:			sible
Boyle Land & Fuel Co.	county	or coar bed	Inches: Depth:	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	ritt:Nongase	ons:Oben:S	afety:tri	c : Nitrate	Dynamite	(Name)
Strip Permit No. 966-1	Washington	Waynesburg	87	1		1	1			
Strip Permit No. 1374-1	Washington	Pittsburoh	- 78		,			ı	1	1
Etna Equipment & Supply Co., Inc.		10	5	ı	1	ı	1		•	
Strip Permit No. 634-4	Washington	Wavneshiro	9					701 167	200	
Strin Dermit No 634-6	Loopington	Usmoshing	0 4					431,107	6,000	
Strin Permit No. 634-7	Washington	Maynesburg	- 00			•	1	506,000	3,000	
Strin Permit No. 634-10	Washington	Waynesburg	00					27, 200	12,045	
	1000	and medical field	2				Total	1.442.090	38.750	. .
Friend Construction Co., H.J.										
Strip Permit No. 1155-2	Washington	Waynesburg	34			1		٠	,	,
I.S.C., Inc.										
Strip Permit No. 1107-1	Washington	Waynesburg	05	,		1	1	•	,	1
KES Enterprises, Inc.										
Strip Permit No. 1139-3	Washington	Waynesburg	09			1			•	1
Rostosky Coal Co., Joseph										
Strip Permit No. 334-4	Washington	Waynesburg	20						1	1
Strip Permit No. 334-5	Washington	Waynesburg	20			,	1		•	
Strip Permit No. 334-6	Washington	Waynesburg	20					4,600	350	ı
							Total	4,600	350	
Teer Co., Nello L.										
Strip Permit No. 1231-1	Washington	Waynesburg	32					7,230	293	1
	Washington	Waynesburg	32			ı	1	7,230	293	
Strip Permit No. 1231-6	Washington	Waynesburg	777					11,650	3,000	-
							Total	26,110	3,586	1
IWILIGHT Industries										
Strip Permit No. 1-67	Washington	Waynesburg	77					145,800	37,538	,
Strip Permit No. 1-71	Washington	Waynesburg	77					113,850	28,200	,
Strip Permit No. 1-86	Washington	Waynesburg	77					260,700	11,650	,
Strip Permit No. 1-91	Washington	Waynesburg	777					34,650	9,150	,
Strip Permit No. 1-99	Washington	Waynesburg	77	1		1		48,600	12,512	
Strip Permit No. 1-100	Washington	Waynesburg	77					37,950	9,400	,
Strip Permit No. 1-102	Washington	Waynesburg	77					259,250	14,350	,
Strip Permit No. 1-105	Washington	Redstone	33					١.	, '	ı
							Total	900,800	122,800	
							-	2001001	*****	-

			!		Kind of Opening	ng gu		: Number and	: Number and Type		Donnale of Evalouines Head	Head
			1	haft:	STope	DELLE		ramba	naso.	Founds	r EAPTOSTAGE	Other
		Goological	neignt:									Permis-
		Name	Seam :				:Gaseous or:	H ::	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches: I	epth: Le	ngth:Degr	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	longaseou	:Open:S	afety:tri	c : Nitrate	Dynamite	(Name)
Tyhonas, LeRoy Strip Permit No. 538-1	Washington	Pittsburgh	72		1	1	•		1		,	,
Westmont Coal Co., Inc. Strip Permit No. 1775-2	Washington	Waynesburg	84			•	•	1	1	1,696,687	56,320 1	118,560*
								District Total	Total	4,070,287	221,806	118,560
* Slurry												
					District 32B	32B						
A. & H. Coal Co., Inc. Strip Permit No. 1361-1	Greene	Waynesburg	09								7,225	•
Strip Permit No. 1361-4 Strip Permit No. 1361-6	Greene	Waynesburg Waynesburg	09	ı	1	ı		ı	Total		24,740 157,493 189,458	
Balazick, Charles Strip Permit No. 1880-1	Greene	Waynesburg	54			1	1	ı		126,125	6,200	ı
Boyle Land & Fuel Co.		1000	09			1	1	1	1	540 178	12 750	
Strip Permit No. 966-4&6	Greene	waynesburg Waynesburg	09	ı	1	ı		1	Total	-1-	28,575	
Brooks, Charles E. Strip Permit No. 1876-1 C & J Coal Co.	Greene	Redstone	30			•		•		ı		1
Strip Permit No. 1621-1	Greene	Redstone	30	1		1	1			1	ı	ı
Strip Permit No. 576-5	Greene	Sewickley Redstone	50						1			
Strip Permit No. 576-6	Greene	Sewickley	50	ı		ı			Total	161,050	1,850	
Dragan & Son Strip Permit No. 1522-1&2	Greene	Waynesburg	48		1			1			1	
Fillaggi Coal Co. Strip Permit No. 178-13	Greene	Waynesburg	09	1	<i>i</i> .	•		1		12,341	9,843	1

## District 32B

			1.	Vin	Vind of Onontro	400		M. M.	1	E			
			. S.	Shaft:	Slope	: Drift	• • • • • • • • • • • • • • • • • • • •	: Lamp	Number and 1ype Lamps Used	Type	Pounds of	Pounds of Explosives Used	Used
			Height:	••									Other
		Geological	of:	,						**			Permis-
		Name	Seam :	••			:Gaseous or:	::	:Flame :Elec-:	Elec-:	Ammon 1 um		sible
Operators and Mines	County	of Coal Bed	Inches: De	epth: L	ength:Deg	rees:Drift	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	s:Open:	Safety	tric:	Nitrate	Dynamite	(Name)
Ford & Gaskill													
Strip Permit No. 139-3	Greene	Redstone	30										
Strip Permit No. 139-4	Greene	Redstone&Sew.	09										
Strip Permit No. 139-4A	Greene	Redstone&Sew.	09	1	,	1	,	1	1	,	883.800	•	* 470*
	Greene	Sewickley	54								•		0.4
Strip Permit No. 139-6	Greene	Redstone&Sew.	54										
Genovese Coal Co.													
Strip Permit No. 244-20 & 20A	Greene	Sewickley	50		ı	1	1	1	1	,	24,000	25	1
Golden Flame Fuel Co.												1	
Strip Permit No. 1141-13	Greene	Waynesburg	48	,		1	1	ı	ı	1	•	,	,
Jordan Coal Co.		)											
Strip Permit No. 664-4	Greene	Redstone	30		,		1	١	•	,			
Lawrence Coal Co.													ı
Strip Permit No. 1063-1	Greene	Wavnesburg	60								191 937.	7. 691	
Strip Permit No. 1063-2	Greene	Marriage	0.9								17, 204	4,001	
Strip Permit No. 1063-3	or cond	Maynesourg	9		ı	1		•			105,321	0,483	
	מו בבוום	wayilesourg	00								326,222	20,638	ı
t-COOT -OU TENT JOIN	פו בנוונ	waynesourg	00							-1	285,430	18,324	-
Tooland David Lamont									Total	1	898,207	50,126	
State Development	(												
Strip Permit No. 1604-1	Greene	Sewickley	48	ı	,	1	•	ı	ı	ı	88,900	2,950	1
Nardel Contracting Co., Inc.													
Strip Permit No. 1359-4	Greene	Waynesburg	09		,	1	•	1	•	,		•	,
Omni Energy Corp.													
Strip Permit No. 1391-1	Greene	Waynesburg	50	,	1	1	1	1	1	,	262,515	13,750	,
R.A.S. Excavating Co.		,										200	
Strip Permit No. 1731-3	Greene	Waynesburg	09	,		1	•	1	•	,	,	80.550	
R & S Coal Co.												00000	
Strip Permit No. 1118-1	Greene	Redstone	36	1	1	1	1	1	1	1	1	400	,
Rondell Co., The													
Strip Permit No. 511-15	Greene	Waynesburg	48	1	1	1	ı	1	,	ı	25,000	200	,
Rumble, Jim													
Strip Permit No. 1091-1	Greene	Waynesburg	09	,	,	1	•	1	•			•	1
Strip Permit No. 1091-4&6	Greene	Sewickley	55								12,920	200	•
									Total	-	12,920	200	-
Teer Co., Nello L.													
Strip Permit No. 1231-11	Greene	Waynesburg	32	,	,	1	•	١	,	,	702,145	18,059	
Strip Permit No. 1231-13	Greene	Waynesburg	32							)	702,145	18,060	'
									Total		,404,290	36,119	-

District 32B

				Kir	Kind of Opening	1 1		ž.	mber a	Number and Type			7
		Geological	Height:	Shart:	Slope		Drift	<u></u>	ramps osed		Founds	Founds of Explosives used Otherm Perm	Other Permis-
Operators and Mines	County	Name of Coal Bed	Seam : Inches:	: Depth: I	: ength:De	grees: Dr	Seam : : : : : : : : : : : : : : : : : : :	s or:	:Flam	:Flame :Elec-: ::Safety:tric :	: Ammonium	Dynamite	sible (Name)
West Penn Coal & Construction Co. Strip Permit No. 581-19	So. Greene	Waynesburg	74	1				1	'	1	,	154,770	,
Zavek, Inc. Strip Permit No. 1213-2	Greene	Waynesburg	28	,			1	'	1	1	312,500	18,200	1
								Dist	District Total	otal	6,024,496	995,909	3,470
* Primers													
				Dist	District 33								
Baker Coal Co. Strip Permit No. 1645-1	Fayette	Redstone	28	,	1			'	'	1			ı
Better Mining, Inc. Strip Permit No. 1220-3(C)	Fayette	Up. & Lo. Free.	04	1		1		'		1	5,200	009	1
Bologna Mining Co. Strip Permit No. 248-24	Fayette	Up, Freeport	38		1	1	'	'	'	1	t	ı	ı
Brant Coal Co., Inc. Strip Permit No. 194-9	Fayette	Lo.&Up. Kitt.	33-41			1	'	'	1	1	147,000	1,150	1
Carbonara Coal Co. Strip Permit No. 550-14	Fayette	Lo. Kittanning	36	1	ı	1		'	'	1	•	ı	1
Cavanaugh, Reed J. SpecialProject 493	Fayette	1		1	ı		'		1	1	•	ı	ı
Chess Coal Co. Strip Permit No. 576-7 Strip Permit No. 576-9	Fayette Fayette	Redstone Sewickley	32			1	1	'	, E	Total	76,175 41,575 117,750	850 400 1,250	
Coal Engeries, Ltd. Strip Permit No. 941-1	Fayette	Pittsburgh	1	,	1	1			'	'		,	'
Strip Permit No. 1626-1	Fayette	Pittsburgh	108	1	1	1			'	1	462,015	19,150	1
Delta Mining, Inc. Strip Permit No. 1200-2	Fayette	Lo. Bakertown	36	1	1	,	ı	•	'	'	ı	1	1
E & J Contracting Co. Strip Permit No. 1202-12	Fayette	Brushcreek Lo. Bakertown Mahoning	75 83 87		1	1		'	1	'	1	ı	1

					מדכות								
			Height:						••				Other
		Geological	of						••	••			Permis-
Operators and Mines	County	Name of Coal Bed	Seam	: Depth:L	<pre>Seam : : : : : : : : : : : : : : : : : : :</pre>	ees:Drift:	:Gaseous or:	r: :	:Flame :Elec-: :Safety:tric :	Elec-: tric :	Ammonium	Dynamite	sible (Name)
Eidemiller, Inc., Adam Strip Permit No. 578-37	Favette	Up. Freeport	33								162,260	009	4.700*
Strip Permit No. 578-39	Fayette	Up. Freeport	33		1	1		,	,			25	2,000*
Strip Permit No. 578-40	Fayette		33						Total	1	169 260	- 269	- 200
Golden Flame Fuel Co.	;		è						1000	1	007.70	040	0,700
Strip Fermit No. 1141-11 Granbay Coal Co.	rayerre	Mahoning	<b>47</b>	ı				ı	ı				
Strip Permit No. 1769-162	Fayette	Mahoning	58	,			,	,	,		39,000	200	,
Strip Permit No. 1769-3	Fayette	Mahoning	26						Total	1	8,000	265	. .
Harbison-Walker Refractories, U.S.										1			
Strip Permit No. 266-3 Hibbs & Myers Coal Co	Fayette	Lo. Kittanning		ı									
Strip Permit No. 833-6	Fayette	Lo. Kittanning	40	1	•	٠	1	ı	,	1	ı	ı	1
Hill Coal Co.													
Strip Permit No. 457-3	Fayette	Sewickley	09		1	1	ı	,	,	1	,	1	,
Strip Fermit No. $45/-4 \& 5$ Horwath Coal Co.	Fayette	Redstone	42										
Special Project No. 494	Fayette	Pittsburgh	72	1	1			ı		1		•	ı
Hostetler, Sam		,											
Special Project No. 607 Jebco Coal Co., Inc.	Fayette	Pittsburgh	84		1		ı	1	1			ı	
Strip Permit No. 1219-3	Fayette	Up. Freeport	30-18	ı	1	1		ı	1			1	
Kaiser Refractories Strip Permit No. 390-1	Favette	Lo. Kittanning	96			,	,				,	,	,
Kravetsky, Charles			:										
Strip Permit No. 1223-8	Fayette	Mercer	36								44,333	533	
Strip Permit No. 1063-5	Fayette	Lo. Freeport	48		•			,	1	1	41,324	8,324	,
Marsolino Coal & Coke, Inc.													
Strip Permit No. 71-25 Menallen Coke Co.	Fayette	Up.&Lo. Free.	20-40		1		ı			- 4,1	4,110,900	528,780	
Strip Permit No. 281-7	Fayette	Redstone Sewickley	33		1	1			,	- 1	165,000	3,100	
Milrock Mining, Inc.	:												
Strip Fermit No. 1/21-4	Fayette	Up. Freeport	90		1	ı							

				Shaft:	ind of	Kind of Opening	:Drift:		: Lam	: Number and Type	Type	: Pounds o	Pounds of Explosives Used	Used
			Height:											Other
		Geological	of											Permis-
N N	3	Name	Seam				Seam : :Flame :Elec-	:Gaseous or:	r:	:Flame :Elec-:	:Elec-	. Ammonium	-	sible
Minor, Jr., Walter	, amon	2001	THEHE	3,000	· reliber	i, negree	3.0111.	NO II Baseo	13.00	Datery		י אדרומום	חאוומוודרה	(Name)
Special Project No. 97	Fayette	Pittsburgh	84		1	,	,	,	1	1	,	,	,	
Mt. Thor Minerals, Inc.														
Strip Permit No. 1753-4	Fayette	Up. Freeport	36	ı	1	1	,	,	ı	ı	ı	1	1	,
Oak Run Coal, Inc.														
Strip Permit No. 863-8	Fayette	Redstone	56	ı	ı	ı	1	ı	ı	ı	ı	19,000	006	
Oberlechner, Steve	1		6									,	,	
Strip Fermit No. 1209-2 Purco Coal. Inc.	Fayette	Redstone	32	ı	ı	ı			ı			61,760	809	
Strip Permit No. 413-8(C)	Favette	Miller B	36									,	,	,
Strip Permit No. 413-9	Favette	Miller B	07									65.550	2.850	
Strip Permit No. 413-11	Favette	Miller B	42									209,270	8,450	,
Strip Permit No. 413-12	Favette	Brookville	48											,
Strip Permit No. 413-13	Fayette	Miller B	40	,	,	,	,	,	,	,	ı	,	1	,
Strip Permit No. 413-14(C)	Fayette	Lo. Kittanning	30									21.800	950	,
	Fayette	Miller B	39											1
Strip Permit No. 413-16	Fayette	Miller B	39										,	1
Strip Permit No. 413-17	Fayette	Lo. Kittanning	40									35,000	1,450	1
Strip Permit No. 413-18	Fayette	U.Free.&U.Kitt.	30									2,450	650	1
E										Total	_	334,070	14,350	-
Kichter Irucking Co.														
Strip Permit No. 1463-2	Fayette	Redstone	54	ı	1	ı	1	1	ı	ı	ı		,	ı
Strip Permit No. 1463-3 Robbie Coal & Fuel: Inc.	Fayette	Kittanning	36											
Special Project No. 491	Favette	Pirtshursh	72-84	,	,	,	ı	ı	1				,	
Rose Coal Co., John C.			1											
Strip Permit No. 1066-7	Fayette	Pittsburgh	86											
		Redstone	36	ı	ı	ı	,	ı	ı	ı	ı	ı	ı	1
Snyder, Curtis														
Strip Permit No. 1585-2	Fayette	Lo. Kittanning	42	ı	ı	ı		ı	ı	ı	ı	1	1	ı
Solomon & Teslovich			ò										•	
Strip Fermit No. 020-9(A)	Fayerre	No Freezest	<del>5</del> 7	ı	1	ı		ı	ı	ı	,	11,150	17,000	
Strip termit NO. 020-12012(A)		op. rreeport	00							Total		11.150	12.000	.   .
Tedesco, William K.														
Strip Permit No. 329-21	Fayette	Miller B	40		ı	ı	1	ı	1			-	-	-
									Distri	District Total		5.728.762	591,635	6.700

District 33A

			1.10	Kind o	Kind of Opening	:Drift:	: Lar	Number and Type Lamps Used	Type :	Pounds of	Pounds of Explosives Used	Used
			Height:									Other
		Geological	. jo				••					Permis-
Operators and Mines	County	Name of Coal Bed	Seam : Inches:D	: epth:Leng	: th:Degree	<pre>Seam : : : : : : : : : : : : : : : : : : :</pre>	: Gaseous or: :Nongaseous:Oper	:Flame n:Safetv	:Flame :Elec-: :Safetv:tric :	Ammonium Nitrate	Dynamite	sible (Name)
Ann Mineral Co.												
Strip Permit No. 1404-768	Fayette	Waynesburg	84	1			•	1	ı	24,041	270	
Barronl, John	4	Distant	1									
Bartoni Rocco	rayerre	rrespurgii	7/				•			•	•	ı
Strip Permit No. 1427-1	Favette	Pittsburgh	72									
Strip Permit No. 1427-2	Fayette	Redstone	32	1	1		•				ı	
Bartoni Coal Co.												
Strip Permit No. 410-8A2&9C	Fayette	Pittsburgh	72		1		1	٠	,		ı	1
Blackmon Consulting Services												
Strip Permit No. 1935-1 Refuse Bortz Coal Co.	e Fayette	Pittsburgh					•	•		ı		
Strip Permit No. 456-10	Favette	Bakerstown	36		١			٠			•	,
Buncic, John			}									
Strip Permit No. 636-13	Fayette	Redstone	36	1	1		1	٠			,	,
C & S Coal Reclamation												
Strip Permit No. 1869-1Refuse	Fayette			1	•		•	•		,		
Carbonara Coal Co.												
Strip Permit No. 550-10 & 14	Fayette	Waynesburg	84	1	•	1	1	•		,	,	,
Chess Coal Co.												
Strip Permit No. 576-4	Fayette	Redstone	30	•	•	'	1	•	,		1	1
Cicconi, Attilio												
Strip Permit No. 1696-1	Fayette	Pittsburgh	84	1			1	١		79,260	6,800 1	186,805*
Eberhart, Jr., Ray												
Special Project No. 710 Farkas Coal Co.	Fayette	Sewickley	09	1	1		ı	ı				ı
Strip Permit No. 1934-1	Fayette	Bakertown	28		1		•	,	,	•	ı	1
Gaggiani, Fred												
Strip Permit No. 1633-1	Fayette	Waynesburg	09		1						1	1
Strip Permit No. 1633-2	Fayette	Washington	84	1	1	1	1			,		1
Genovese Coal Co.												
Strip Permit No. 244-18	Fayette	Waynesburg	20								1	
Strip Permit No. 244-21	Fayette	Redstone	36	1	,		•	•	•	156,000	1,200	
	Fayette	Pittsburgh	09								. 1	
Strip Permit No. 244-29	Fayette	Redstone	36							44,000	009	
	•							Total		200,000	1,800	

				. Ki	Kind of Opening	1 1	.Drift:		Number and	: Number and Type		Pounds of Explosives Used	xn1osives	Ilsed
			Height:					.'						Other
		Geological Name	of Seam			•• ••	: Gase	: Gaseous or:	: F1	: : : : : : : : : : : : : : : : : : :		Ammonium		Permis- sible
Operators and Mines	County	of Coal Bed	Inche	:Depth:	Length: D	egrees:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	o:snoast	pen:Sa	fety:t1	- 1	Nitrate	Dynamite	(Name)
Gillis, Walter L. Strip Permit No. 1789-1	Fayette	Redstone	30	t	,		1			·	- 115,665	65	2,450	
Hal Coal Co. Strip Permit No. 1717-2	Fayette	Pittsburgh	78		,	1				·			,	1
Strip Permit No. 1877-1	Fayette	Bakerstown	42-47			,				·				1
Strip Permit No. 1688-2 & 3	Fayette	Redstone	36		1	,								
Strip Permit No. 570-8	Fayette	Bakerstown	26		1		,			·	12,000		2,000	,
Special Project No. 683	Fayette	Pictsburgh	66							Total	12,000	00	2,200	
Krulock, Steve Strip Permit No. 345-2	Fayette	Redstone	30-40	1	1		,			·			,	
Laurel Ridge Coal, Inc. Strip Permit No. 1337-1A	Favette	L. Free. &IL. Kitt.	30								2.261.460		36,200	
Strip Permit No. 1337-4	Fayette	Bakerstown &		,	1									
		Up. & Lo. Free.	30							10+01	2 261 7.60		- 200	
Lavery, Elzie E.										Iorai	4,202,4		0,200	
Strip Permit No. 1692-1	Fayette	Washington	42	,	,									,
Luzerne Coal Corp.														
Strip Fermit No. 750-6, 14, 15, 19, 20, 21, 23, 24, 25,														
27, 31, 32, 33, 33A & 34	Fayette	Waynesburg	48	í	Ι,	,					- 4,961,132		370,040	349,970**
Marsolino Coal & Coke, Inc. Strip Permit No. 71-26	Fayette	Waynesburg	48		,						'		1	,
Medved Mining Co.		,												
Strip Permit No. 1709-3	Fayette	Pittsburgh	72						,					
Mineral Resources, inc. Strip Permit No. 1863-1 & 2	Fayette	Bakerstown	30		,						- 22,500	00		
Pennsylvania Mineral Co.	;													
Strip Permit No. 653-13 Pittsburgh Coal & Coke. Inc.	Fayette	Waynesburg	24 80	1		ı								
Strip Permit No. 1904-2A RefuseFayette	seFayette	1	1	,	ı		1		,				,	
Strip Permit No. 424-1	Fayette	Pittsburgh	108		1								,	,
Rostosky Coal Co., Joseph			ò											
Strip Permit No. 334-8	Fayette	Pittsburgh	96	,										

District 33A

			,									
				Shaft:	Kind of Opening t: Slope	: Drift:		Number and Type Lamps Used	Type	: Pounds of	Pounds of Explosives Used	s Used
			Height:				١					Other
		Geological	· jo				••					Permis-
		Name	Seam :			: Gase	:Gaseous or:	:Flame :Elec-:	:Elec-			sible
Operators and Mines	County	of Coal Bed	Inches: I	epth: Ler	ngth:Degre	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	aseous:Op	en:Safety	:tric	: Nitrate	Dynamite	(Name)
Ruane Arnold Coal Co.		,										
Strip Permit No. 589-1A2	Fayette	Redstone	28							22,068	188	
	Fayette	Redstone	28							52,200	700	ı
	Fayette	Redstone	28							38,132	312	ı
	Fayette	Redstone	36					•	ı		,	•
Strip Permit No. 589-3A4	Fayette	Pittsburgh	84									•
Strip Permit No. 589-4A	Fayette	Pittsburgh	84								ı	1
,								Total	-	112,400	1,200	-
Rush Coal Co., Inc.												
Strip Permit No. 1891-1	Fayette	Redstone	30		1				ı		,	ı
S.D.S. Construction Co., Inc.	:	•	(									
Serip Permit No. 1930-2(A)&o	Fayette	Sewickley	09		1				,		ı	
State Coal Co.												
Schondach Cool Co	rayerre	waynespurg	χ,							56,095	1,466	
Soberdasii coar co.	:		1									
Strip Permit No. 1855-5	Fayette	Bakerstown	18		•							,
Soberdash Coal & Coke Co.												
Strip Permit No. 111-52 & 53	Fayette	Pittsburgh	96		1			1	ı	1		
Solomon & Teslovich												
Strip Permit No. 628-17	Fayette	Sewickley	30		1			,	,		1	,
Sperko, Joseph												
Strip Permit No. 1794-1	Fayette	Redstone	20		1			,	,	,	,	,
Swenglish Coal Co.												
Strip Permit No. 1293-1	Fayette	Pittsburgh	108		1			,	,		,	,
Swenglish & Sons Coal Co., Charles	es L.											
Strip Permit No. 1797-1	Fayette	Pittsburgh	96		1			1	1		,	,
TIC, Inc.												
Strip Permit No. 1939-1	Fayette	Pittsburgh	108		1			•	,	,	,	
Villa Coal Co.												
Strip Permit No. 1549-1	Fayette	Pittsburgh	72	'	•			1	,		,	,
Voithofer, Jr., Edward V.												
Strip Permit No. 1693-1	Fayette	Pittsburgh	84	'	1			1	ı	•	,	,
West Penn Coal & Construction Co.												
Strip Permit No. 581-13 & 14	Fayette	Up. Free.	42	'	•			1	,	240,550	6.204	,
Strip Permit No. 581-15	Fayette	Redstone	38									
Wingrove Mining, Inc.												
Special Project No. 637	Fayette	Redstone	36								-	
							7,01	District Total		8 085 103 7	5 08 630	536 775
* Hercomix							1047	דרר דרים				21,600

<sup>\*</sup> Hercomix \*\* Slurry

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				: Ki	Kind of Opening	ening	••	••	lumber	: Number and Type	: ec		
				:Shaft:	Slope		: Drift:		Lamps Used	sed	: Pound	Pounds of Explosives Used	es Used
			Height:										Other
		Geological	jo		••				••				Permis-
		Name	Seam	••		••	: Gase	: Gaseous or:	: F1e	:Flame :Elec-:		EI EI	sible
Operators and Mines	County	of Coal Bed	Inche	:Depth:	Length: D	egrees:I	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	aseons:01	en:Saf	ety:tr	ic : Nitrate	Dynamite	e (Name)
Alinci, Raymond P. Special Project No. 676	Westmoreland	Pittsburgh	48	ı	,		1			Ċ	1	1	•
Aloe Coal Co.													
Strip Permit No. 35-2, ZA,5, 8, 11, 12, 12A, 14 & 15	Allegheny	Pittsburgh	48-60	,	,	1	,		,		2,404,390	٠	162,650*
Ansell, Earl											000	00,	
Strip Permit No. 288-1	Westmoreland	Redstone	20	1							000,0	400	ı
Apex Co., Inc.													
(74)	Alleohenv	Redstone	70									,	,
Strip Permit No. 497-4 Big Break Coal Co.	Allegheny	Pittsburgh	09				ı	ı	ı				
Strip Permit No. 887-2	Allegheny	Pittsburgh	09	ı		ı					9,590	200	
Brown Coal Co., Inc. C.W.													
Strip Permit No. 273-5	Westmoreland	Waynesburg	20,4						1			•	1
Cherep's Excavating			1										
Special Project No. 684	Allegheny	Fictsburgn	7/	1	ı		ı	1	1				
Crescent Hills Coal Co., Inc.	Mostmorel and	Diffehurch #8	80	,	,	,	,				1	1	1
Special fidect No. 302	Mescal Caracia	0 1000000											
D. C. Industries, Inc.	U. a hand and	Dietohusch	9		,				,		1	1	,
Strip Fermit NO. 1/33-1	westing etail	ricepuign	3										
E & J Contracting Co.			0.7		1							•	,
Strip Permit No. 1202-4A	westmoreland	waynesburg	0	ı	1	ı	ı						
Charles Downste No. 570-30	Los torono land	Ila Eroonort	30										
Strip Fermit No. 578-32	Westmoreland	Redstone	54	,	1		1						1
Strip Permit No. 578-36	Westmoreland	Redstone	48										
Fello, Thomas A.													
Strip Permit No. 572-10	Westmoreland	Up. Freeport	36				1					ı	1
Gary John Associates													
Strip Permit No. 1528-1	Westmoreland	Pittsburgh	09								100		
		Redstone	8,7					1			. 901,000	1	ı
		Sewickley	20										
Golden Flame Fuel Co.		1	36										
Strip Permit No. 1141-2	Westmoreland	Lo. Freebort	24	ı	ı	ı						ı	
Gorr, Richard													
Strip Permit No. 959-1A2	Westmoreland	Redstone	42			ı	ı	1				ı	•

					Kin	Kind of Opening			Number and Type	d Tyne			
					Shaft:	Slope	:Drift:		Lamps Used	p p	: Pounds of Explosives Used	Explosives	Used
				Height:				۱					Other
			Geological	of :				••					Permis-
			Name	Seam :	••		: Ge	:Gaseous or:	: Flame	:Flame :Elec -:	: Ammonium		sible
Operators and Mines		County	of Coal Bed	Inches:	Depth: L	ength:Degr	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	ngaseous:0	en:Safe	y:tric	: Nitrate	Dynamite	(Name)
Green, Inc., Walter	-												
Strip Fermit No. 250-10	01-0	WestmoreLand	Waynesburg	99									
Strip Permit No. 250-11	)-11	Westmoreland	Mid. Kittanning	25	,	1	•	,	1	ı		ı	1
Strip Permit No. 250-12 Holliday Constructors, Inc.	)-12 Inc.	Westmoreland	Waynesburg	48									
Strip Permit No. 1216-4	7-91	Westmoreland	Up. Freeport	57	,		•	,		١	69.047	1.911	•
			Gallitzen	18									
Kendi & Sons, Inc., Paul W.	ıl W.												
Strip Permit No. 570-5	0-5	Westmoreland	Waynesburg	09				ı			12,000	1,000	
Scrip return No. 37	1-0	wes cillot e tailu	ranoning	0					E	10101	12 000	1 000	
T. A. A. Cost Co.									2	7 27	2000	7,000	
Strip Permit No. 1909-1	9-1	Westmore land	Poh/Redstone	78-46		1	,	,		١	19 900	797	*006
McGal Coal Co.				:								ì	)
Strip Permit No. 1847-1	+7-1	Alleghenv	Pittsburgh	72							2 2	0	11000
Strip Permit No. 1847-2 & 3 McGill Excapating	47-2 & 3	Allegheny	Redstone	42						•	143,430	7,392	66,960**
Special Project No. 533	533	Westmoreland	Pittsburgh	108	,		•			1	,	,	
Manges, Lloyd			)										
Strip Permit No. 1874-2	74-2	Westmoreland	Redstone	32	,	1	,	,	1	•		1	1
Mikel, Edward													
Strip Permit No. 631-7	1-7	Westmoreland	Redstone	42	,	1		,	1	1	142,850	1,250	ı
O'Brien & Son, Inc., William H.	illiam H.												
Strip Permit No. 1674-1	74-1	Westmoreland	Pittsburgh	72		1	1		1	ı		1	1
Overly, L. W.													
Strip Permit No. 260-12A	0-12A	Westmoreland	Pittsburgh	84	,		٠						
Auger-BAM-841 Overly, Walter H.		Westmoreland	Redstone	42									
Strip Permit No. 1865-1A	55-1A	Westmoreland	Redstone	36	1	1		,	1	1	3,950	850	
Parnell, James													
Strip Permit No. 1587-1	37-1	Westmoreland	Redstone	24	1	1		1	1	1		ı	1
Patrick, Richard													
Strip Permit No. 1699-4	7-66	Westmore Land	Redstone	24		1				1		1	ı
Penn Lear Development Corp.	Corp.	4 4 4 4	700 to 100  1										
Petricca Coal Co.	0/0	Allegneny	Ficesourgn	7/		'				'			
Strip Permit No. 480-3	0-3	Allegheny	Redstone	36	1		1	,	1	ı	ı		•

				: Ki	Kind of Opening	ling		Numbe	Number and Type	VDe :			
				:Shaft:	Slope	: Drift	. ::	: Lamps Used	Used		Pounds of	Pounds of Explosives Used	Used
			Height										Other
		Geological	of			••				••			Permis-
		Name	Seam				:Gaseous or:		lame : E	:Flame :Elec-:	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: De	grees:Drift	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric:	Open:S	afety:t	ric:	Nitrate	Dynamite	(Name)
Robinson, Inc., Alice K.													
Strip Permit No. 1258-1	Westmoreland	Westmoreland Up. Freeport	30	,			•		1			1	
Rondell Co., The													
Strip Permit No. 511-12	Westmoreland	Westmoreland Up. & Lo. Freeport	36	,			ı	1			81,445	2,669	
Salem Fuel Co.													
Strip Permit No. 1501-2	Westmoreland	Redstone	38										
		Pittsburgh	72	,	1		•	1	1			,	1
Slate Construction Co., Inc.													
Strip Permit No. 1818-2	Westmoreland	Redstone	36	,			ı	1	1	1		ı	1
Solomon & Teslovich													
Strip Permit No. 628-16	Westmoreland	Up. Freeport	40	,		,	,	,	,		,	,	,
Strip Permit No. 628-15 & 21 Stanley Construction	Westmoreland	Redstone	36										
Special Project No. 463	Allegheny	Pittsburgh	96	,			ı	ı	1			1	,
Weinman Brothers													
Strip Permit No. 1224-4A2	Westmoreland Pittsburgh	Pittsburgh	100	,				,			1		1
Wolf Run Road Coal Co.													
Strip Permit No. 1774-1	Allegheny	Redstone	84	ı			1	,	,			1	-

\* Apex 463 \*\* Wet hole blasting agent

11,869 230,510

3,796,222

District Total

	1	1	1	1 1
	20,819		1	1,996
	- 1,151,550	1	ı	125,900
	1	1	•	
		ı	ı	
		1		
		ı	ı	
	1	ı	1	
44A		ı	ı	
District 34A		1	1	
집		1	ı	
	72	72	09	32
	Freeport	Pittsburgh	Pittsburgh	Lo. Freeport Lo. Freeport
	Westmoreland Freeport	Westmoreland Pittsburgh	Westmoreland Pittsburgh	Westmoreland Lo. Freeport
	Ankeny, Donald K. Strip Permit No. 287-9 Avonmore Enterprises	Strip Permit No. 1558-1 Bender Coal Co., E. P.	Strip Permit No. 593-18 Bentley Coal Co., Inc.	Strip Permit No. 938-11 Strip Permit No. 938-11A

District 34A

			••	Shaft:	Kind of Opening	ing : Drift		: Numl	Number and Type	Type :	Pounds of	Pounds of Evnlosives Head	Head
			Height:								100000	2001001	Othor
		Geological	of :										Downfor
		Name	Seam				. Gaspons or		.Flame .Flec.	F. 100.	Armon 11m		rermis-
Operators and Mines	County	of Coal Bed	Inches:	Depth: I	ength: Deg	rees:Drift	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	is:Open	Safetv	tric	Nitrate	Dynamite	(Name)
Bentley Coal Co., Inc. (continuned)	led)												
Strip Permit No. 938-12	Westmoreland	L. Free. &U. Kitt.	36	,		,	1	٠	•	9	618.697	13.070	,
Strip Permit No. 938-13	Westmoreland	L. Free. &U. Kitt.	36							•		2 12 1	,
Strip Permit No. 938-14	Westmoreland	Lo. Free.	32							-	105.056	1.925	
									Total		849.653	16.991	
Bridge Coal Co.										1			
Strip Permit No. 481-1	Westmoreland	Redstone	54		1	,	•	,	,	,		,	,
Brown Coal Co., Inc. C. W.													
Strip Permit No. 273,4-A-1,													
2, 3, 4	Westmoreland	Up. Freeport	33	,	1	1	,	•	•	7 -	423.680 1	106 587	
C.F.S.C., Inc.												00000	
Strip Permit No. 1886-1	Westmoreland	Pittsburgh	80		1	,	•	•	,		47 075	900	
Darmac Coal, Inc.		0									2061		
Strip Permit No. 1600-3 & 9	Westmoreland	Un. Freenort	70	,	,	,				0	071 653	32 050	
Don's Excavating			)					ı	ı	1	11,000	34,730	
Special Project No. 435	Wootmorel and	Dittohusesh	10								000	0	
Dinn Alfred	wes conterain	rrespurgii	7/		1				•		20,000	3,500	
Strin Dermit No A01-1	Line toward and	Do.: h 1 E	1										
W & I Contracting Co	wescmoretand	Double Free.	7/		1	ı		•	ı				
Stafe Branding Co.													
Eddandil Tar Adam	WestmoreLand	Pittsburgh	20		1	ı	ı	•	ı				
Eldemiller, inc., Adam													
Strip Permit No. 578-23A	Westmoreland	Up. Freeport	30			•							
Strip Permit No. 578-30	Westmore Land	Up. Freeport	30						,				1
Felton Enterprises, Inc.													
Strip Permit No. 1665-1	Westmoreland	Harlem	20-24										
Strip Permit No. 1665-2	Westmoreland	Harlem	20-24		1	1	•	,	ı		,	•	1
Special Project No. 577	Westmoreland	Pitts.Stump Ribs	72-84										
Fiore Development Co.													
Special Project No. 638	Westmoreland	Pittsburgh	96		1		1						
Special Project No.706	Westmoreland	Pittsburgh	98			1	ı					•	ı
Firestone Coal Co.		1											
Strip Permit No. 1556-2	Fayette	Up. Free.	09										
Strip Permit No. 1556-3	Westmoreland	Up. Free.	09		1					-	375. 376	5 527	,
			:						Total	· m	354.376	5.527	
Gold Builders & Contracting, Inc.										1		2000	
Strip Permit No. 1439-1	Westmoreland	Pittsburgh	72		1	٠	1	1	1	1	1	1	
Hawk Contracting, Inc.													
Strip Fermit No. 1259-4 Hustosky, John	Westmoreland	Freeport	30	ı				ı				ı	
Strip Permit No. 398-3	Westmoreland	Pittahurch	7.2					1	,				
מנידל ינישיר יניי	MERCINOTETATO		71			ı			,				

## District 34A

				Ki	Kind of Opening	ening			Number and Type	and Ty	. ec		
				:Shaft:	Slope		:Drift:	1	Lamps Used	sed	: Pounds o	Pounds of Explosives Used	Used
			Height:		••	••		••					Other.
		Geological	of			••		••					Permis-
		Name	Seam		••	••	: Gase	: Gaseous or:	: F16	:Flame :Elec -:			sible
Operators and Mines	County	of Coal Bed	Inches	Depth:	Length: I	egrees:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	aseous:0	pen:Sa	ety:tr	ic : Nitrate	Dynamite	(Name)
Kowalski, Frank													
Strip Permit No. 592-2	Westmoreland	Pittsburgh	72										
Strip Permit No. 592-6	Westmoreland	Pittsburgh	72		1	,	1			'		1	1
Strip Permit No. 592-8	Westmoreland	Pittsburgh	72										
Kravetsky, Charles													
Strip Permit No. 1223-7	Westmoreland	Up. Free.	04		1	,					117,990	1,460	9,620*
L & A Coal Co., Inc.													
Strip Permit No. 1901-1	Westmoreland	Pittsburgh	72						1	'		ı	1
Lakeside Coal Co., Inc. Strip Permit No. 1365-2	Westmoreland	Redstone	07	1			1				13,400	1	,
Latimer Brothers			2										
Strip Permit No. 955-2A, 2A2,													
3, 3A, 3A2, 4, 5, 6 & 7	Westmoreland	Pittsburgh	90	ı	,	1	1	1	1		1	1	
Laurel Coal Co., Inc.													
Strip Permit No. 1848-2	Westmoreland	Pittsburgh	72	1	,	1	1	1			6,825	1	ı
Lingenfelter, Robert E.													
Special Project No. 723	Westmoreland	Redstone	54	1		1	1	1			•	1	1
M & S Mining, Inc.	,	,										1	
Strip Permit No. 1001-2	Westmoreland	Pittsburgh	96	1	1	1	,	1			253,925	7,692	1
MAC-MAK, Inc.			ò									000	
Strip Permit No. 1/61-1 & 2	Westmoreland	Pittsburgh	48	ı	1	1		1	1		1	21,300	1
Milrock Mining, Inc.		1											
Needer Control No. 1/21-3 & 3A	WestmoreLand	Up. Free.	40		1	1	ı	1	1		•		ı
Negley coar co.			r										
Strip Fermit No. 146/-3	Westmoreland	Fictsburgn	7.7	1			ı		1		•	•	
North Cambria Fuel Co.			,								000	0	0
Strip Permit No. 10-38A3	WestmoreLand	Up. Free.	25	,							328,593	982	Z,125**
Strip Permit No. 10-45C	Westmoreland	Bakerstown	42								786,367	1,592	
Strip Permit No. 10-47	Westmoreland	Lo. Kitt.	52		ı				1		1	1	
Strip Permit No. 10-48	Westmoreland	U. Free. &Mahoning 32-28	32-28								105,381	476	
Special Project No. 551	Westmoreland	Pittsburgh	72									-	-
									-	Total	1,220,341	3,050	2,125
Old Home Manor, Inc.													
Strip Permit No. 615-7, 13,													
21, 24, 34, 42 & 44	Westmoreland	Pittsburgh	80										
Strip Permit No. 615-1/	Westmoreland	Pitts./Redstone	80-50	1	1	,			1		1 000	1	
Strip Fermit No. 013-33	WestmoreLand	Fitts./Redstone	80-20						•	10+0	100 562		
Danlieick Robert M										Ocar	127, 202		
Strip Permit No. 1446-1	Westmoreland Pittsburgh	Pittsburgh	72	1	,	1	,	,	,			•	ı

## District 34A

					Kind of Opening	Dening			· Nimb	Nimber and Type	Tune .			
				:Shaft:	Slope	be	:Drift:		: Lamp	Lamps Used		Pounds of	Pounds of Explosives Used	Used
			Height	::										Other
		Geological	of							•				Permis-
			Seam				9:	:Gaseous or:	r:	:Flame :Elec-:		Ammonium		sible
Operators and Mines	County	of Coal Bed	Inche	:Depth	Length	Degree	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	ongaseon	s:Open:	Safety:		Nitrate	Dynamite	(Name)
Piccolomini, William Strip Permit No. 159-18	Westmoreland	Redstone	24-36									000.7	380	200
Strip Permit No. 159-19	Westmoreland	Redstone	24-36	,	•	ı	,	ı	•			6,825	370	195
Strip Permit No. 159-20	Westmoreland	Redstone	24-36									3,675	200	105
										Total	1	17,500	950	200
Polar Coal Co.		Bakerstown	36											
Strip Permit No. 597-5	Westmoreland	Brush Creek	24										,	,
Strip Permit No. 597-6A	Westmoreland	Bakerstown	36		ı		ı	ı	ı					
		Brush Creek	24										,	,
Strip Permit No. 597-7	Westmoreland	Bakerstown	40									8,151	77	
Auger-BAM-/90	WestmoreLand	Bakerstown	ı											
		Brush Creek									1			
R.I.R. Coal & Construction Co.										Total		8,151	44	
Strip Permit No. 1888-1	Westmoreland	Pittsburgh	72	,	ı	,	,						,	
R & K Coal Co.		0	!										ı	ı
Special Project No. 664	Westmoreland	Pittsburgh	72	,	ı		,	,	1	1		,	,	,
R & L Development Co.														
Strip Permit No. 1237-3	Westmoreland	Pittsburgh	06	•	•	,			,	,	,	1	,	
Ramaley Equipment & Supply Co.														
Special Project No. 371	Westmoreland	Pittsburgh	84				,		ı	ı		1		
Suearer Development Corp.														
Strip Permit No. 1650-1 Smith, Victor P.	Westmoreland	Pittsburgh	84		ı	ı		ı						
Strip Permit No. 641-5 & 7	Westmoreland	Pittsburgh	72-14	,	,	,	1		,	,			,	1
Smith & Son, Inc., Ralph														
Special Project No. 688	Westmoreland	Pittsburgh	84	ı	,	ı			,	,			ı	1
Smith's Blacktop Paving Co.														
Strip Permit No. 1268-4	Westmore Land	Mid. Kitt.	42											1
Special Project No. 657	Westmoreland	Pittsburgh	96			1	1	ı		ı				
Strip Permit No. 1596-2	Westmoreland	Pittsburgh	96	,	,	,	•	•	,			,	i	
286 Coal Co., Inc.														
Strip Permit No. 1371-4 U. S. Utilities Corp.	Westmoreland	Pittsburgh	96											
Strip Permit No. 1132-2	Westmoreland	Pittsburgh	78	ı	,	,	,	,	,	,	,	1	1	,
Weimer, Daniel L. Special Project No. 705	Westmorel and	Dirrahuroh	09	,	,	ı		,	,	1			,	
Special Project No. 105	мезсщотетани	Firespurgu	)	ı	1	1								

District 34A

				Kind of Opening	lng		: Number and Type	d Type :			
			:Shaft	:Shaft: Slope	:Drift:		Lamps Used		Pounds of Explosives Used	Explosives	Used
			Height:								Other
		Geological	: jo								Permis-
		Name	Seam :			:Gaseous or: :Flame :Elec-: Armonium	: :Flam	: Elec-:	Ammon i um		sible
Operators and Mines	County	of Coal Bed	Inches: Depth	:Length:Deg	rees:Drift	:Nongaseous:	Open:Safe	ty:tric :	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric : Nitrate	Dynamite (Name)	(Name)
Western Pa. Coal Co., Inc., The											
Special Project No. 668	Westmoreland Pittsburgh	Pittsburgh	72 -		1	1	1	1	1	ı	•
Zappone Construction Co.											
Strip Permit No. 1281-1	Westmoreland Up. Freeport	Up. Freeport	- 05			1	1	1	189,240	3,804	
						D	District Total		5,844,921	225,274 12,245	12,245

<sup>\* 5,580</sup> lbs. Apex 463; 3,120 lbs. RXL 43; 200 lbs. RXL 4,655; 720 lbs. Aquanal. \*\* Tovex

	19,074*	ı		,	114,740**	243	2,783	- 11,827	ı
	006*9	1	1,751 8,970 10,721	,		550	875	- 13,996	57,112
	292,350		14,300 382,460 396,760		315,490	25,050	434,979 222,440 -	- 702,469	1,303,595
	1				1		1		1,
	1	,	- Total	1	- Total			Total	
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trict 35	1	,		1	1		ı		
Dis			1	1	1		1		
	38	24	36	28	30	77-07	44 40-44 24-28	40-44 24-28	84
	Up. Freeport	Lo. Kittanning	Lo. Kittanning Lo. Kittanning	Lo. Freeport	Up. Freeport Up. Freeport	Up. Freeport	Up. Freeport Up. Freeport Lo.&Mid. Kitt.	Up. Freeport Lo.6Mid. Kitt.	Up. Freeport
	Armstrong	Armstrong	Armstrong Armstrong	Armstrong	Armstrong Armstrong	Armstrong	Armstrong Armstrong Armstrong	Armstrong	Armstrong
	Strip Permit No. 617-15	Strip Permit No. 1938-1	augman coal Co., inc., K.D. Strip Permit No. 151-69 Strip Permit No. 151-73 & 77	eckowitz, Thomas Strip Permit No. 1845-1	ituminous international Corp. Strip Permit No. 1203-1 Auger-BAM-742	lack Gem Coal Co. Strip Permit No. 1533-1	Strip Permit No. 1533-2 Strip Permit No. 1533-3 Strip Permit No. 1533-5	Strip Permit No. 1533-6 Auger-BAM-955	Bowers Coal, Inc. Strip Permit No. 1744-1Al
	District 35	District 35         Armstrong       Up. Freeport       38       -       -       -       -       -       292,350       6,900	Armstrong Up. Freeport 38 292,350 6,900 Armstrong Lo. Kittanning 24	Armstrong       Up. Freeport       38       -       -       -       -       292,350       6,900         Armstrong       Lo. Kittanning       24       -	Armstrong Up. Freeport 38 292,350 6,900  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Lo. Freeport 28 16,300 1,751  Armstrong Lo. Freeport 28	Armstrong Up, Freeport 38 292,350 6,900  Armstrong Lo, Kittanning 36 14,300 1,751  Armstrong Lo, Kreeport 28 14,300 1,751  Armstrong Lo, Freeport 28 136,490	Armstrong Up. Freeport 38 292,350 6,900  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Lo. Freeport 28 135,490 Armstrong Up. Freeport 30	Armstrong Up, Freeport 38 292,350 6,900  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Up, Freeport 38 14,300 1,751  Armstrong Up, Freeport 30 14,300 1,51  Armstrong Up, Freeport 40-44   Armstrong Up. Freeport 38 292,350 6,900  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Lo. Kittanning 36 14,300 1,751  Armstrong Up. Freeport 30 1315,490 Armstrong Up. Freeport 40-44  Armstrong Up. Freeport 40-44	

Baed Other Permts-	(Name)															-		5,134#														1				
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Pounds of Explosives Used Other Perm	Dynamite		57,112	200		1	1	1	1		9	1		34,250	15,900	031 03	30,130	978		1				1					1	4	00966	1,630	6,520	17,600	1,100	350
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ther and Type :			177								1			-		10	4.7			1									,			1	-	- 1		
Lamps Used Lamps Used Elame Elame	ptyrt		Fotal								Total					Terrail	1010																	Total		
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Lan	Open			1				1				1			1			1		1				ı					1			1				
Савеона	онно																																			
000	mgan	1		1				1				1			1			1		1				1					1			1				
- : :- :-	uches: Depth: Length: Degrees: Dr Ht; Nongaseons: Open; Bafety: tr Lo																																			
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Kind of Opening	Sree.							1				1						1		1				1					1			1				
31 Open	thibe																																			
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Shalt:	hith														1			1		1				1					1							
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He Lgd of Seam	loc	4.8		24		3	-	3	č			3		ē.	0	38		3		34		28	Ô	1481	99	2	36		42			97			04-81	1717
				70																		90					٠				L. Free, & M. Mitt.	ree.	Up. Kitt.&L.Free.			
cal	Bed	port		1000		Freeport	Preeport	Freeport	Freeport	Presport		Freeport		Freeport	Freeport	Freeport		port		port		anni	Freeport	Free	port		Free		port		3	Also F	· G.L.		Kitt	
Geological Name	of Coal Red	Up. Freeport		Lo. Kittaming								Free						Up. Freeport		Up. Freeport		Lo. Kittanning	Free	Lo. fillp. Free.	Up. Freeport	Lo. Kitt.	Up. CLo. Free.		Up. Freeport		rees	M. Kitt. Al. Free.	Kitt		Mid. Slo. Kitt.	Up. Free.
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	County	rmatrong		PHIST COLD		mustrong	metrong	Armstrong	Armatrong	HELON		rustrong		matrong	Ametrong	rnstrong		metrong		Achiel rong		runtrong	cmstrong	CHIST FORE	Armstrong	Armstrong	rnstrong		rustrong		MINELONG	Armstrong	Armstrong		Armstrong	Armstrong
	Co	Acm		ALTIN		Arm	ACM	Arm	Arm	ALTI		Arm		Aim	V Call	VCII		ATT		ADII			Acm	Acm	Arm	Arm	A I'm		Arm		N 1 1	N I	Arm		AITIA	Arm
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		med		2	te Co	17.	13	17	1.5	896	-	- IA2		0-5 &	11-			9-3		10		1	17-1	5-	9-1	6-0	-11		1-1		+ 1	-	.12		90	13,1
	110.8	cont 6		11-1/	& Cok	118/4-	1.84-	184-	184-	62 &	0.1	1525		1600	1600	0		1551		1625							1369-11		1425-1				995-12		514-	-4715
	IM PI	96-6		Ň	Juo.	No.	No.	No.	No.	15, 9	r Co	No.	000	No.	No.	1681		No.	000	No.	y C.	No.	No.	No.	No.	No.	No.	Coal	No.		NO	NO.	NO.		No.	No.
	Operators and Mines	Bowers Coal, Inc. (continued) Auger-BAM-929-949	(1)	Strip Permit No. 4-152	Carpentertown Coal & Coke Co.	Strip Penult No. 184-4	Strip Permit No. 184-13	Strip Permit No. 184-14	Strip Permit No. 184-15	Auger-BAM-895, 962 & 963	Cochran & Kaller Coal Co. 100.	Strip Permit No. 1525-1A2	Darmac Coal, inc.	Strip Permit No. 1600-5 & 10	Strip Permit No. 1600-11 & 14	Augar-BAM-853&970	Daset Coal Corp.	Strip Permit No. 1551-6	Daybrook Coal Co.	Strip Permit No. 1625-1	Doverspike, Gary C.	Strip Permit No.	Eagle Mountain Coal	Strip Permit No.	& R. Coal Co.	Strip Fermit No.	Strip Fermit No.	Strip Permit No.	Harmon Coal Co	Strip Permit No. 514-6	Strip Permit No. 514-13,15,19					
	stato	Coa	S S S S S S S S S S S S S S S S S S S	Tho P	Tierr	d di	d of	d di	d di	ser-18,	Y	1 p P	Coa	d di-	d di	ger-B	Coal	d di	ook G	Ip P.	pike	Ip P.	d di-	d di	The P	Th P	tp P	Мони	d di-	°. Co	4	I di	d di	000	Ip P	d dis
	Ope	Aug	7 3	2 50	arpen	Str	35.	361	SUL	Aug	police	Str	armac	36.	St.	Aug	aset	Str	aybre	SCI	OVers	Str	Str	Str	375	Str	Str	agle			200	35	Str	The same of	Str	SEE
		=	5	0	Ü						0.7	3	ã				O		ã		Š							3		÷				-	2	

					Shal	(t) Slope	: Drift:	. 11.	I.amp	Lamps Used	-	Pounds of Explosives Used	a Used
			Geological	Height: of			•• ••						Other Permis-
Operators and Mines		County	Name of Coal Bed	Seam	Depth: Le	: ngth; Deg	: ees:Drift	Gaseous or: ; Gaseous or: ;Flame :Elec- Inches:Depth:Jeugth:Degrees:Drift:Nongaseous:Open;Safety:tric	r: :	:Flame :Elec-:	ec-: Ammonfum	Dynamite	
Strip Permit No. 514-20.	£.						ŧ	1					
21, 22, 23		Armstrang	Up. Freeport	17.64							271,450	2,300	1
Special Project No. 610 Auger-BAM-846		Armstrong								Total	452.650	1.750	
Houser, Earl O.		A compared to constant	2	07									
Strip Permit No. 163-3 Houser Coal Co. Tuc., Walter L.		Armstrong	Up. Kitt.	16		1	ı	ı	1		1		1
Strip Permit No. 564-18		Armatrong	Up. Freeport	444							1		1
Strip Permit No. 564-22		Armstrong	Up. Freeport	28			1		ı		111,040	4.000	1 1
										Total	111,648	009*4	1
Jacoba Contracting Co. Strip Permit No. 1276-3(Harmon	3 (Harmon												
- Dayton) Arriv Dermit No. 1274-3/Surder) Armstrong	Ar Manyar)Ar	Armstrong	Up. Freeport	38							8,520	10 526	9054
Strip Permit No. 1274-3A(Moore)Armstrong	M(Moore)Ar	matrong		24-30-29							1,149,777	29,644	65,543*
Strip Permit No. 1274-11		Armstrong	Mld. & Lo. Kitt. 30-29	. 30-29						" The first	511,012	13,175	29, 130
Kent Coal Mining Co.	Define A									1004	326762343	146 5751	102,100
Markle-Bullers Coal Co.	Z KELUSE AL	marrong	ı	1					ŧ	1			1
Strip Permit No. 504-26, 40,43 Armstrong	5, 40,43 Ar	matrong		1							1	1	1
Strip Permit No. 504-27 & 46		Armstrong	L.M.&U. KICE, 29-32-30	9-32-30							230,531	4,750	1
Strip Permit No. 504-48		Armetrong	to. Kittanning	26	ı		ı	ı					1
Neetle Coal Co Tampe F		Armatrong	Lo. Sand. Kitt.	78-97						Total	247,826	5,250	
Strip Permit No. 419-4		Armstrong	Mid. Kitt.	30									
Strip Permit No. 419-6		Armstrong	Up. Kitt.	30							55.575	1,800	1
Strip Permit No. 419-7 &	6 13	Armstrong	MId. SUp. KICC.	30							500,375	14,225	1
Strip Permit No. 419-11		Armatrong	Lo. Kitt.	30	ı		ı		1				1
Strip Permit No. 419-12		Armatrong	MId. KILL.	30								1	1
Auger-BAM-981, 982 & 998		Armstrong	Up. Kitt.	30							0 0		1
Maneraberg Coal Co.										Total	555,950	16,025	1

			1.10	Shaft:	Kind of Opening	. Drift.		. Numb	Number and Type	rype :	Pounds	Doings of Five Leadure Head	Hand
			Height:								o company	יייייייייייייייייייייייייייייייייייייי	Other
		Geological	of :		••								Permis-
		Name	Seam :		••		Gaseous or:		Flame : Elec-	:1ec-:	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches: D	epth:Le	gth:Degre	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	Nongaseou	s:Open:	Safety:	ric	Nitrate	Dynamite	(Name)
Strip Permit No. 1826-1	Armstrong	Lo. Kittanning	18	'	٠	,	,				27, 000		
Monroe Contract Corp.	0	0	2								2006		
Strip Permit No. 1137-1	Armstrong	Up. Freeport	36-42		•	ı		,	ı		,	1	•
Oak Tree Coal Co.													
Strip Permit No. 1695-7	Armstrong	Up. Freeport	48			ı		1					
Strip Permit No. 1695-16	Armstrong	Lo. Freeport	30		ı	ı	ı	ı	1		,	•	
P & N Coal Co., Inc.													
Strip Permit No. 32-90	Armstrong	Up. Freeport	45		ı	ı	•	,	,		73,000	450	,
R.E.M. Coal Co., Inc.													
Strip Permit No. 932-24	Armstrong	Up. Freeport	40		1	1	1	ı			22,000		1
Ratay Coal, Inc.													
Strip Permit No. 1679-1	Armstrong	Up. Freeport	42							3	398,528	13,300	1
Strip Permit No. 1679-2	Armstrong	Up. Freeport	42		ı	ı	ı	ı		4 -	455,092	30,375	1
									Total	∞	853,620	43,675	
Reddinger, Terry													
Strip Permit No. 314-31	Armstrong	Up. Freeport	36										1
Strip Permit No. 314-33	Armstrong	Up. Freeport	40							3	353,220	5,217	1
Strip Permit No. 314-36	Armstrong	Lo. Kittanning	24									. 1	1
Strip Permit No. 314-37	Armstrong	Lo. Kittanning	24		1	,	,	1		_ 7	718.645	21.690	1
Strip Permit No. 314-38	Armstrong	Lo. Freeport	30							1.1	1.181.975	17,350	,
Strip Permit No. 314-39	Armstrong	Mid. Kittanning	30								515,520	5,467	1
Strip Permit No. 314-42	Armstrong	Up. Freeport	28							1	180,010	4,855	1
									Total	2,9	,949,370	54,579	1
Keesman, Gene N.													
Strip Permit No. 1932-1	Armstrong	Lo. &Mid. Kitt.	24		1	ı		ı	ı	ı	50,064	1,400	
Ctute Downt No. 1252 1													
Strip Fermit No. 1353 2	Armstrong	Up. Freeport	42									4,250	
Strip Fermit No. 1333-2	Armstrong	Up. Freeport	04	'	1		1				387,600	55,010	
Auger-BAM-845	Armstrong	Brush Creek	78									1	,
Auger-BAM-993	Armstrong	Up. Freeport	38							3		-	
W. & M. Coal Co.									Total	m	387,600	59,260	
Strip Permit No. 787-3	Armstrong	Up. Freeport	36		•	,					14,000	1,900	
								District Total	Total	15.2	15.246.280	434.313 33	873.763
										- ( )			2

\* Wet Hole \*\* Slurry

## District 35A

				Shaft:	l of Opening	ng :Drift		: Lamp	Number and Type Lamps Used		Pounds of Explosives Used	Used
		Geological	Height:									Other. Permis-
Operators and Mines	County	Name of Coal Bed	Seam	Depth: L	: ength:Degr	: ces:Drift	Seam : :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	r: :	:Flame :Elec-: :Safety:tric :	ic: Ammonium	Dynamite	sible (Name)
A & C Coal Co., Inc. Strip Permit No. 1111-12	Armstrong	Up. Freeport	45	,	1	'	1			,	'	
Altmire Bros. Coal Co., Inc. Strip Permit No. 29-18	Armstrong	Up. Freeport	42		1	1	ı	ı	1	322,850	3,900	1
B & G Construction Co., Inc.	0		!!									
Strip Permit No. 25-7	Armstrong	Lo. Freeport	45				,	1	,	7 000		
Strip Permit No. 25-14	Armstrong	Lo. Freeport	45							000,96	-	
									Total	100,000	-	
Strip Permit No. 572-2 6 & K Coal Co.	Armstrong	Pittsburgh	72		1	1	1	1	1	1	ı	1
5	Armstrong	Up.&Lo. Free.	32-40							347,815	2,453	63,525*
Strip Permit No. 4-151	Armstrong	Up. Freeport	04	ı	1	1	1	ı	1	11,700	100	250
Strip Permit No. 4-173	Armstrong	Up. Freeport	04						Total	359.515	2.553	63.775
Cotterman, W. A. Strip Permit No. 603-16 -												
BAM-1006	Armstrong	Lo. Kittanning	35	ı	1		1	1	1	228,775	1,849	1
Daset Mining Corp. Strip Permit No. 1551-1	Armstrong	Lo. Freeport	50							1	1	1
Strip Permit No. 1551-4 & 4A	Armstrong	Lo. Freeport	42			1	1	1	1	ı	ı	ı
Erdley Bros. Construction Co. Strip Permit No. 1390-4	Armstrone	Up. Freebort	30	,		1	,	1	1	ı	1	
Hawk Contracting, Inc.	D											
Strip Permit No. 1259-3	Armstrong	Up. Freeport	43							1 0		1 2
Strip Permit No. 1259-13	Armstrong	Up. Freeport	35		1	ı	ı	ı		70,000	1,400	0/4
Strip Fermit NO. 1239-10	Armstrong	Veustone	Or.						Total	84,000	2,400	560
Kent Coal Mining Co.	Armatrons	Direchurch	144							546.876	13, 500	30.480**
Strip Permit No. 482-8	Armstrong	Pittsburgh	144							, '	1	, 1
Strip Permit No. 482-9	Armstrong	Pittsburgh	144	ı	1	1	1	1		1,392,650	30,050	82,084**
Strip Permit No. 482-13	Armstrong	Pittsburgh	144							1,276,044	31,500	71,120
Strip Permit No. 1937-1	Armstrong	Pittsburgh	144						F 4 - E	969,950		44,158
Kravetsky, Charles									Total	4,182,520	94,800	7796177
Strip Permit No. 1223-1	Armstrong	Pittsburgh	72							47,100	620	1,440#
Strip Permit No. 1223-4	Armstrong	Pittsburgh	07		1	ı	ı	ı	1		ı	ı
Strip Permit No. 1223-12	Armstrong	Pittsburgh	72							1 1	-	
									Total	47,100	620	1,440

## District 35A

				Viv	Vind of Occurre	ou tuo			Minneh	Manch on and Three				
				Shaft:	Slope		:Drift:		: Lamps	Lamps Used		Pounds o	Pounds of Explosives Used	es Used
			Height:		••									Other
		Geological	of :	۲.۰۰	•		•••							Permis-
		Name	Seam :	••	••		: Ga	:Gaseous or:	Ξ.	:Flame :Elec-:		Ammon ium		sible
Operators and Mines	County	of Coal Bed	Inches:	Depth: I	ength:1	egrees	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	ngaseons	:Open:S	afety:t		Nitrate	Dynamite	e (Name)
Lakeside Coal Co., Inc. Strip Permit No. 1365-6	Armstrong	Mahoning	30		,	,	,	1	•		,		•	,
Strip Permit No. 1924-1	Armstrong	ı		1									ı	,
Strip Permit No. 333-5	Armstrong	Up. Freeport	77									16.100	6.400	,
Strip Permit No. 333-6	Armstrong	Up. Kittanning	28		٠.					• E		26,650	4,025	•
McIntire Coal Co., William J.										Iocai	1	067,24	10,423	
Strip Permit No. 638-4 & 5	Armstrong	Up. Freeport	40									•		
Strip Permit No. 1670-2	Armstrong	Up. Freeport	32	,			1		•	,			1	
Nicholson Kun Coal Co. Strip Permit No. 586-5	Armstrong	Up. Freeport	36				,	,		,		,	•	•
P & L Coal Co., Inc. Strip Permit No. 115-6 & 7	Armetrono	and The cell	36				,				9	000	0 150	
Rob Coal Co.	Simpromis	ob. recept	2	1								000,00	0,130	
Strip Permit No. 542-9A2	Armstrong	Up. Freeport	07	1	1	,	,	,	ı		8	002,68	٠	
Auger-BAM-961	Armstrong	Up. Freeport	04							Total	۱۳	89.700		
S & S Coal Co., Inc.										3	'l			
Strip Permit No. 577-2	Armstrong	Pittsburgh	99					,		1	- 84	846,025	11,990	
Strip Permit No. 1103-1	Armstrong	Up.&Mid.Kitt.	28								18	181,725	13,235	
Strip Permit No. 1103-2	Armstrong	Lo. Freeport	30									9	0	
Strip Permit No. 1103-3	Armstrong	L.Free.&U.Kitt.	35-26					1			- 24	243,107	14,046	
State Industries. Inc.										Tota1	[2]	516,980	30,133	
Strip Permit No. 435-11	Armstrong	Mid.&Up. Kitt.	28					,					•	•
West Freedom Mining Corp.	Armstrono	TO With	07								,	1 0/3 582	19 260	
Strip Permit No. 68-30	Armstrong	Lo. Free.	36								•	300.0	70,200	١ ١
Strip Permit No. 68-37	Armstrong	L.Free.&U.Kitt.	36								_ 62	625,357	128,118	,
Strip Permit No. 68-38	Armstrong	Lo. Kitt.	38										. •	
Vates Bros Cool										Total	1,66	1,668,939	146,378	-
Strip Permit No. 1351-3	Armstrong	Lo. Freeport	24		,				,		1			
* Tubes - ** B-Mix -	# Apex 463							I	District Total	Total	8,55	8,552,954	308,198	293,617

Pounds of Explosives Used

: Number and Type :

:Drift:

: Kind of Opening :Shaft: Slope

			Height									Other
		Geological	of :				••		••			Permis-
		Name	Seam :			: : Ga	: Gaseous or:	:Flame :Elec-:	:Elec-:	Ammon fum		sible
Operators and Mines	County	of Coal Bed	Inches: De	pth: Leng	th: Degre	es:Drift:No	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	en:Safety	tric:	Nitrate	Dynamite	(Name)
Allegheny Mineral Corp.		Summit	30									
Strip Permit No. 571-6	Clarion	Up. Freeport	36		1				ı	ı	ı	
Ancient Sun, Inc.	Clarion	Up. FreeDort	30						ı		,	,
Strip Permit No. 1186-9C	Clarion	Kittanning	28									
Baughman Coal Co., Inc., R.D.			ì									
Strip Permit No. 151-64	Clarion	Lo. Kittanning	36									
Strip Permit No. 151-71	Clarion		36		1					1 -		
Strip Permit No. 151-75 Strip Permit No. 151-76	Clarion	Lo. Kittanning Lo. Kittanning	36					1	ı	200,360	2,005	
								Total	1	200,360	2,005	
Blackhawk Coal Co.	Clarion	Lo. Kittanning	32	1	1				,		,	ı
C & K Coal Co.											0	
Strip Permit No. 4-93	Clarion	Up.&Lo. Clarion	12-26							224,144	2,8/0	
		Up.octo. Clarton	36						_	1.262.901	30,911	ι
Strip Permit No. 4-114	Clarion	Lo. Kittanning	36 26-18						î	273,864	1,619	1
Strip Permit No. 4-II/	Clarion	LO. ONTE OF LEEP	01-07							,	. '	1
Strip Permit No. 4-130	Clarion	Lo. Freeport Up.&Lo. Clarion	32 10-38									
Strip Permit No. 4-134	Clarion	Mid. & Lo. Kitt.	14-24							420,966	4,799	1
Strip Permit No. 4-137	Clarion	Up.&Lo. Clarion	20-34							840,284	6,433	
Strip Permit No. 4-140	Clarion	Mid. Kitt.		1	1	1				712,389	3,971	
Strip Permit No. 4-145	Clarion	Mid. Kitt.	26							522,680	3,36/	
Strip Permit No. 4-157	Clarion	Mid. &Lo. Kitt.	14-38							401,464	3,055	1
		Up.&Lo. Clarion	12-32							335,168	5.026	,
Strip Fermic No. 4-102	Clarion	Up. & Lo. Clarion12-24	12-31 112-24									
Strip Permit No. 4-164	Clarion	Lo. Kittanning	20							729,677	660,9	ı
Strip Permit No. 4-165	Clarion	Up.&Lo. Free.	30-40							379,334	5,020	
Strip Permit No. 4-166	Clarion	Mid. Kittanning	28							154,727	2,909	
Strip Permit No. 4-174	Clarion	Up. & Lo.Clarion	10-24							2,000	1/3	•
Strip Permit No. 4-181	Clarion	Up.&Lo. Clarion	12-24					E		86,500	00 030	
								IOCAI		349,090	90,033	
Chernicky Coal Co., inc. Strip Permit No. 1423-19	Clarion	Up.&Lo. Clarion 24-20	24-20	1	1	•	1		1	40,170	1,013	ı

				: Ki	Kind of Opening	1 1	:Drift:		Number and Lamps Used	Number and Type		Pounds of Explosives Used	Used
			Height:										Other
		Geological	of										Permis-
		Name	Seam		••	••	: Gas	:Gaseous or:	:Flan	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	Depth:	Length: D	egrees:I	rift:Non	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	en:Safe	ty: tric	: Nitrate	Dynamite	(Name)
Ciarron Fossii Fuels Corp. Strip Permit No. 1408-3	Clarion	Lo. Kittanning	18-20								11,180	300	,
Strip Permit No. 1408-6	Clarion	Lo. Kittanning	18-20	,	,	,				1		) ) ) I	,
Strip Permit No. 1408-8	Clarion	Lo. Kittanning	30								29,500	1,689	
Colt Resources, Inc.										Total	40,680	1,989	
Strip Permit No. 1171-6	Clarion	Lo. Kittanning	70								٠	ı	,
Strip Permit No. 1171-11	Clarion	Lo. Kittanning	70	ı	,	ı			'	1		•	3,914
Strip Fermit No. 11/1-15	Clarion	Lo. Kittanning	36						Е	Total			3.914
Cotterman, W. A.													
Strip Permit No. 603-14A5	Clarion	Lo. &Mid. Kitt.	30		ı	ı				•			
Dean contractor, Inc., Ernest C.	012400												
Strip reimit No. 3/9=30	Clarion	T Dwoo S.T V4++	. ~								16 700	000	
Strip Permit No. 379-46	Clarion	Mid.&Lo. Kitt.	30	,						•	15,000	626	۱ ۱
Strip Permit No. 379-49	Clarion	Mid. Kitt.	20								14,900	200	,
									I	Total	45,600	10,526	-
Deitz, Donald W.													
Strip Permit No. 1270-3	Clarion	Lo. Kittanning	30								20,000	1,000	ı
Strip Permit No. 1270-8	Clarion	Up.&Lo.Clarion	20-30		,	,	,	,		•	74,300	483	1
Strip Permit No. 1270-9	Clarion	Kittanning	30										
01-0-144 • 011-144-150 · 144-150		Naccamining	†						L	Total	94,300	1,483	
Doverspike, Gary C.													
Strip Permit No. 1369-12 Equitable Coal Co.	Clarion	Mid.&Lo.Kitt.	18	ı		ı				•			
Strip Permit No. 1253-1	Clarion	Clarion	24	ı	ı	1			'	1	•	,	
Fagley, Robert L.													
Strip Permit No. 1289-3	Clarion	Lo. Kittanning	32								1 0	1 1	ı
Strip Permit No. 1269-3A	Clarion	Lo. Kittanning	32	,	,	,				١	3,250	250	
Strip Fermit No. 1289-7	Clarion	The AMid Kitt	30-22								3.000	200	
			1						П	Total	6,250	1,050	
H & G Coal & Clay Co., Inc. Strip Permit No. 75-33	Clarion	Mid. Kitt.	30										
Strip Permit No. 75-36	Clarion	Freeport	7.8	1					'	١	'		•
Strip Permit No. 75-38	Clarion	Lo. Kitt.	36										

					-			;	-				
				Shaft:	Kind of Opening	:Drift	#I::	. Lam	: Lamps Used	rype :	Pounds of	Pounds of Explosives Used	Used
		Geological	Height:				 I						Other
	C	Name	Seam				:Gaseous or:	or:	:Flame :Elec-:	:lec-:	Ammonium	:	sible
Operators and Mines	County	OI COAL BEG	Tucnes	: Deptn:	rengru: ne	rees: Dri	inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Sarety: tric :	ns:Oben	sarery:	ric:	Nicrace	Dynamite	(Name)
Hawk Contracting, Inc. Strip Permit No. 1259-19	Clarton	Kittannino	28	,		'	٠	,	,	-	116 410	1 292	425
Ingram Coal Co.		911111111111111111111111111111111111111	2							1	1	1,172	1
Strip Permit No. 1476-4	Clarion	Brookville	32	,		•	•	ı	,	,	4,050	450	,
K.I.T. Industries													
Strip Permit No. 1417-6 &8	Clarion	Lo. Kittanning	24	ı		•	•	١		- 4	40,000	4,000	,
Lucinda Coal Co., Inc.	,		,										
Strip Permit No. 1015-4	Clarion	Kitt.&Free.	18			1		'				1	
	Clarion	Kittanning	30								2,850	128	
	Clarion	Kittanning	30								7,600	20	
%	Clarion	Clarion	24										
	Clarion	Kittanning	30			1		•	ı	- 2	27,380	710	
	Clarion	Clarion	20							e	39,560	1,176	
Strip Permit No. 344-41	Clarion	Kittanning	20							7	10,300	415	
Strip Permit No. 344-44	Clarion	Kittanning	54							26	260,400	2,895	-
									Total	34	341,090	5,344	
Mays Coal Co.													
Milia Garage No. 210-4A8 & 4Al0Clarion	4Al0Clarion	Lo. Kittanning	56			•	ı	1		∞ •	83,770	2,133	
Miles Coal, Clyde			į										
Miles Coll Co Sterra	Clarion	Mid. Kittanning	77	ı		ı	1	ı		- 23	235,640	14,726	
TITTES COST CO. SCENEII C.	,											1000	
Strip Permit No. 1290-1	Clarion	Mid. Kittanning	27	•		•	•	١	,	_ 21	210,045	13,21/	
Scrip remare NO. 1290-2	Clarion	Clarion	30						10401	7 00	380 060	9,0/4	
, Tag V Tag									TOLAT	ဂျ	0000	167,22	
N.E.M. COMI CO., INC.			ć										
Strip Fermit No. 932-12A	Clarion	Lo. Kittanning	2 6							7	30,000	ı	
Strip Fermit No. 932-18A	Clarion	Lo. Kittanning	0 0							•	000,7		,
Strip Fermit No. 932-20	Clarion	Mid. Kittanning	87								25,000		
Strip Permit No. 932-25	Clarion	Lo. Kittanning	30							4	5,000		
									Total	위	107,000	-	-
Reddinger, Terry													
Strip Permit No. 314-29	Clarion	Mid. Kittanning	24							•			
Strip Permit No. 314-34	Clarion	Mid. Kittanning	<b>47</b>		1	1	•	١	1	-	20,300	167	1
Strip Permit No. 314-40	Clarion	Up. Kittanning	24							20	12,500	2,075	
Strip Permit No. 314-43	Clarion	Lo. Kittanning	30						,	93	934,750	13,378	
									Total	1,15	1,157,550	16,220	
Neichard Faving & Excavating, Gene Strip Permit No. 606-3	Gene	Mid. Kittanning	22	,			•	1				ı	
		0	1						ı			ı	J

				Shaft:	Kind of Opening t: Slope	:Drift:	•• ••	Number and Type Lamps Used	and Typa		Pounds of Explosives Used	Used
		Geological	Height									Other
Operators and Mines	County	Name of Coal Bed	Seam	Depth:L	: : enøth:Degre	Seam : : : : : : : : : : : : : : : : : : :	:Caseous or:	:Flar	:Flame :Elec-:	c-: Ammonium	Dynamite	sible (Name)
Ridgeville Coal Co., Inc.	104400	++A CIS FIN	15_36							1 3	100 00	
5	Crarron	MIG. CHO. NILL.	05=61						•	846,270	1/,/31	ı
Strip Permit No. 1581-3 Shannon Coal Co.	Clarion	Lo. Kittanning	16		•			'	1		1	
Strip Permit No. 1204-3	Clarion	Mid. Kittanning	56							1 397 183	5 419	,
Strip Permit No. 1204-5	Clarion	Mid. & Lo. Kitt.	28							3,135,111	9,653	
Strip Permit No. 1204-9	Clarion	Mid. Kitt.								3,225,903	14,191	,
	Clarion	Lo. Kitt.	70							970,364	7,940	,
Strip Permit No. 1204-14	Clarion	Mid. Kitt.	24							178,038	4,291	,
Permit No.	Clarion	Mid. Kitt.	24							. '	. '	,
No.	Clarion	Up.&Lo. Free.	30-20		1	,			١	1,105,889	8,934	
No.	Clarion	Mid. &Lo. Kitt.	24-28							513,833	5,177	
	Clarion	Mid. Kitt.	30							. •	. •	•
Permit No.	Clarion	Lo. Kitt.	28							1,666,999	9,080	•
	Clarion	Mid.&Lo. Kitt.	24-26							325,065	2,019	•
	Clarion	Up.&Lo. Clarion	14-16							47,702	775	
	Clarion	Up.&Lo.Clarion	14-20							54,800	1,744	
Strip Permit No. 1204-31	Clarion	Up.&Lo. Clarion	14-18							198,770	3,561	1
1								ŭ	Total	12,819,657	72,784	
Siegel, Thomas E.												
Strip Permit No. 1210-4	Clarion	Mid. Kitt.	22									1
Strip Permit No. 1210-7	Clarion	Up.&Lo. Clarion	17-26	1	1	1			.	81,770	1,776	
Stenel Coal Co Harrid A								Ĭ	Total	81,770	1,776	
Strip Permit No. 8-19	Clarion	Clarton	22							10%	0.0	
Strip Permit No. 8-21	Clarion	Clarion	22			,	,		,	104,200	6,717	1 (
Strip Permit No. 8-22	Clarion	Kittanning	22							34.450	7.340	
1								Tc	Total	138,950	10,255	
Snyder Coal Co., Thomas												
Strip Permit No. 1897-1 Stahlman Coal Co., Inc., W.P.	Clarion	Up. Free.	94		1	,		'	1	1		
Strip Permit No. 9-45	Clarion	Clarion	28							646.296*		,
Strip Permit No. 9-49	Clarion	Lo. Freeport	22							209,495*	•	,
Strip Permit No. 9-56	Clarion	L. Kitt.&Clarion	28		1		•	•	•	1,703,736*		
Strip Permit No. 9-61	Clarion	Lo. Kitt.	24							217,587*	1	,
Strip Permit No. 9-150	Clarion	Clarion	22					1		1		
									Total	2,777,108		

				11777	Kind of Opening	guit			TACIIIDE.	numper and type	٠ ي		
				:Shaft:	Slope	: Dr	: Drift:	••	Lamps Used	Used	: Pounds	Pounds of Explosives Used	es Used
			Height:					••		••			Other "
		Geological	of	••				••		••			Permis-
		Name	Seam			••	: Gase	:Gaseous or:		:Flame :Elec-:	ec-: Ammonium	E	sible
Operators and Mines	County	of Coal Bed	Inches	Depth: L	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	grees: Dr	ift:Nong	aseous:	Open:Sa	afety:tr	ic : Nitrate	Dynamite	(Name)
Vendale Coal Co., Inc.													
37-1	Clarion	Mid. Kitt.	30							1	21,400	675	ı
rmit No. 787-4	Clarion	Lo. Kitt.	24							1	7,360	320	ı
White Coal	104100	Ila Vitt	36								25 400	270	,
	01011011	ob. Mee.	0 6								200	2	
	Clarion	Freeport	30							1			
Strip Permit No. 1503-5	Clarion	Freeport	30								-		
										Total	25,400	270	-
Wilson, John N.													
No. 502-6	Clarion	Up. & Lo. Kitt.	18-30	1						1			
Yates Bros. Coal Co.													
Strip Permit No. 1351-5	Clarion		ı							1			
Zacherl Coal Co., Inc.													
.21	Clarion	Clarion	28										
	Clarion	Clarion	28										
	Clarion	Clarion	20								92,735	3,990	
Strip Permit No. 73-28 & 29 C	Clarion	Clarion & Kitt.	27-36						ı	1	205,600	2,760	1
	Clarion	Mid. Kitt.	30								1		
	Clarion	Clarion	28								125,300	4,387	
	Clarion	Lo. Kitt.	28								733,360	8,192	1
										Total	1,156,995	19,329	1
								i					
								Dī	District Total	Total	21,116,938	787,701	4,339

\* Ammonium nitrate and Slurry

Downship of District	Other	sible Sible (Name)				2,938 26,000* 11 73/ 255 682*	11,734 233,002" 		7,668 121,330*	16.657 141.292*		6,297 46,675*	50,523 632,714	29,557 -	14,173 -	26,682 -		70,412 -						3,105**	4.200	18,700 -	6,587 -	1	848	20,814 -	642 -	7,547 -
	To spiling of	c-: Ammonium			8,150	089,697	07/100	246,955	479,182	757.359	29,900	348,178	2,827,132	636,240	775,068	1,459,202		2,870,510				,		198,100	701,140	302,100	846,740	. •	259,600	1,717,240	37,900	173,140
Number and Type		:Flame :Elec-:						1					Total		1		1	Total	1		1	'									1	
mN :		:Gaseous or:													1							'										
. Drift.		Seam : : : Gaseous or: :Flame :Elec-: Inches:Depth:Length:Degrees:Driff:Nongasons:Onon-Safety:Twic													'				'			1										
Kind of Opening		: th:Degrees:	ı												1				1			,									ı	
Kind o		Depth: Leng	-			•									1				1			1									1	
•• ••	Height:	Seam :	24	12-	30	42	14-	24-26	on12-24		20	22-24		24-30	38	38	27		28	;	56	24		25	42	42	42			20		04
	Geological	Name of Coal Bed	Up. Clarion	Up.&Lo. Clarion	Lo. Kittanning	Th. Clarion		Up.&Lo. Clarion	Up. & Lo. Clarion12-24	Lo. Kitt.	Brookville	Up.&Lo.Clarion		Up.&Lo.Clarion	Clarion	Clarion	Lo. Kitt.		Brookville	i	Lo. Kittanning	Clarion		Lo. Kittanning	Lo. &Mid. Kitt.	Lo. &Mid. Kitt.	Lo. &Mid. Kitt.	Up.&Lo. Clarion	Up.&Lo. Clarion	Up.&Lo. Clarion	Up.&Lo. Clarion	Up.&Lo. Clarion
		County	Clarion		Clarion	Clarion	Clarion	Clarion	Clarion	Clarion	Clarion	Clarion		_	Clarion	Clarion	Clarion		Venango	;	Venango	Venango	)	Venango	Clarion	Clarion	Clarion	Clarion	Clarion	Clarion	Clarion	Clarion
		Operators and Mines	Ancient Sun, Inc. Strip Permit No. 1186-6 C & K Coal Co.	:	Strip Permit No. 4-98	Strip Permit No. 4-135		Permit No.	Strip Permit No. 4-163	Strip Permit No. 4-168	Strip Permit No. 4-169	Strip Permit No. 4-180	Chernicky Coal Co. Tuc.	Strip Permit No. 1423-14 & 14A	Strip Permit No. 1423-15	Strip Permit No. 1423-16	Strip Permit No. 1423-22	Chutz Coal Co.	Strip Permit No. 650-8	Cotterman, W. A.	Strip Permit No. 603-15	Strip Permit No. 1253-5	FW & RR, Inc.	Strip Permit No. 154/-4A Glacial Minerals. Inc.	Strip Permit No. 1257-1	Strip Permit No. 1257-9			Permit No.			Strip Fermit No. 125/-16

				Kin	Kind of Opening	ng		dmuN :	Number and Type		Look Day to Look	7001
			Height	Shart:	STope	Dritt		. ramin	rambs osen	: rounds o	T EXPLOSIVE	Other
		Geological	of									Permis-
		Name	Seam		:	5	:Gaseous or:	r:	:Flame :Elec-:		4	sible
Operators and Mines	County	of Coal Bed	Inches	Depth: L	ength: Deg	rees: Drill	Inches: Depth: Length: Degrees: Dritt: Nongaseous: Open: Salety: tric	is oben:	sarery: cr		Dynamite	(Name)
Glacial Minerals, Inc. (continued)	Clarion	Mid. &Lo. Kittanning 42	ine 42							659,100	3,846	,
Strip Permit No. 1257-19	Clarion	Mid.&Lo. Kitt.	42							125,700	863	•
Strip Permit No. 1257-21	Clarion	Lo. Kitt.	24							3,700	575	1
Strip Permit No. 1257-24	Clarion	Mid. Kitt.	28						Total	2.455 160	73 011	-
Henry, Lester C.									10.01	2422770	133015	
Strip Permit No. 1816-1	Clarion	Up.&Lo.Clarion	16-28		,	1	1	,		•	1	1
Strip Permit No. 1816-2	Venango	Up.&Lo.Clarion	24-16									
Strip Permit No. 450-10A	Venango	Clarion	26		1	•	•	1	1	12,000	4,063	,
Kerry Coal Co.	;		ć							130 700	1 20%	12 200
Strip Permit No. 41-52	Venango	B'ville&Kitt.	30	ı		•	'	ı	1	170,100	1,204	17,200
Strip Permit No. 1680-7	Venango	Brookville	31			1	ı	ı	1	31,820	250	1
McCauley, C.A.		Lo. Kitt.	24									
Strip Permit No. 1902-1	Clarion	Up. &Mid. Kitt.	20	ı	1	ı	ı		1	•	ı	
Oil City Coal, Inc. Strip Permit No. 1508-1	Venango	Up.&Lo.Clarion	22-24		1	٠	1	ı	1	,	,	1
Pengrove Coal Co.										000	000	
Strip Permit No. 74-12	Venango	Brookville	30	1	1	1		ı		1,280,018	32,000	
Strip Permit No. /4-15	Venango	brookville	07						Total	2,680,530	56,380	
Phillips, Merle H.	:		00							067 997	11 081	
Strip Permit No. 613-10	Venango	Up.&Lo. Clarion	97-87		1	1		•		064,004	100611	
Strip Permit No. 1106-1A(2)												
(3) (4) Strip Permit No. 1106-2	Venango	Up.&Lo. Clarion Up.&Lo. Clarion	17-24 17-24		1	1	1			168,500	1,436	
1 0011	0								Total	193,500	1,696	1
Romanko Bros. Enterprises, Inc. Strip Permit No. 1768-1	Venango	Brookville	28	1	1	ı	,	ı	1	25,100	412	1,440#
Shannon Coal Co. Strip Permit No. 1204-32	Clarion	Up.&Lo.Clarion	18-24	,		1	,	ı	1	576,450	11,905	178,480*
Siegel, Thomas E.										;	,	
Strip Permit No. 1210-5	Clarion	Up.&Lo.Clarion	18-24	1	1	1	ı	ı		65,650	1,510	1

District 37

				: Ki	Kind of Opening	ening	••		: Numb	Number and Type	. ec		
				:Shaft:	Slope		:Drift:		: Lam	: Lamps Used		Pounds of Explosives Used	ss Used
			Height:		••								Other
		Geological	jo		••								Permis-
		Name	Seam		••		5:	:Gaseous or:		:Flame :Elec-:	ec-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: L	egrees:	Drift: N	ongaseor	s:Open:	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	ic : Nitrate	Dynamite	(Name)
Vendale Coal Co., Inc.													1
Strip Permit No. 1837-265	Venango	Up.&Lo. Clarion	20								591,158	121,720	
Strip Permit No. 1837-3	Venango	Up.&Lo. Clarion	20						ı		573,920	62,800	1
										Total	1,165,078	184,520	1
Weaver Contracting, Inc.													
Strip Permit No. 1356-3	Venango	Lo. Kittanning	30	,	,		,	•	,	1	136,260	1,660	
Weaver & Son, A.P.													
Strip Permit No. 144-12	Clarion	Clarion	36								330,800	2,083	29,490#
Strip Permit No. 144-22	Clarion	Clarion	34								. 1	. 1	. '
Strip Permit No. 144-23	Clarion	Clarion	36								209,150	2,479	29,205
Strip Permit No. 144-24	Clarion	Clarion	12							,			
,										Total	539,950	4,562	58,695
Winger Coal Co., Inc.											:		
Strip Permit No. 401-9	Venango	Brookville	32	ı	,		1	ı	ı	1	33,400	9,850	
Strip Permit No. 401-11	Venango	Brookville	32	-1	1			1	•	1	-	1	-
										Total	33,400	9,850	1
Zacherl Coal Co., Inc.													
Strip Permit No. 73-27	Clarion	Clarion	20	ı	1	,		,	1	1	92,735	3,990	1
Strip Permit No. 73-32	Clarion	Clarion	28						ı	1	125,300	4,387	-
										Total	218,035	8,377	-
										1			
									Distric	District Total	17,633,865	491,496	887,634

\* Tubes \*\* Primer # Apex 463

				: Ki	Kind of Opening	ing : Drift		: Lam	Number and Type Lamps Used	Type	: Pounds of	Pounds of Explosives Used	s Used
			Height										Other
		Geological Name	of				. Cacaone		:	 1.00	. Ammonium		Permis-
Operators and Mines	County	of Coal Bed	Inches	Depth:	Length:Deg	rees:Drif	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	us:Open	Safety	tric:		Dynamite	(Name)
Baughman Coal Co., Inc., R.D. Strip Permit No. 151-68													
& 68(C)A2	Jefferson	Lo. Kittanning	30			•	•	1	•	,	500,648	3,913	,
Blackhawk Coal Co.	10 6 60 200 20	T V4++variation	30		,	1	•	(			,		
Auger-ban-700 Burkett, Maxine L.	nos tattac	DO. Michalling	3	ı	1	ı	ı	ı	ı	ı	ı		ı
Strip Permit No. 1308-1C	Jefferson	Lo. Kittanning	24	,		١	•	٠	,	,	,	•	1
Burkett Coal Co., L & L	Tofferson	Ila Freenort	36			•	•	•		,	,	•	
Cavior Coal Co.	100 131 130	op. recepore	S										
Strip Permit No. 1135-1	Jefferson	Lo. Freeport	30			1		1	1			•	,
Compass Coal Co., Inc.	Toffereon	To Kittenning	28			١	٠	•	,	-	1, 222, 120	5.461	٠
Cooknort Coal Co. Inc.	100000000000000000000000000000000000000	out in the contract of	2							•		6	
Strip Permit No. 1887-3	Jefferson	Lo. Kittanning	30			1	•	1	•		34,650		
Doverspike Bros. Coal Co.											;		
Strip Permit No. 567-41	Jefferson		30								445,987	2,779	
Strip Permit No. 567-49,44,64	Jetterson	Lo. Freeport	30				ı	(	1	1	337,933	4,370	
Strip Permit No. 567-59	Jefferson		30								000	2	1
Strip Permit No. 567-65	Jefferson	Lo. Kittanning	30						Total		1,099,828	7,417	
Fran Contracting, Inc.									101		,000,	27,720	
Strip Permit No. 1073-12 & 12A	Jefferson	Lo. Kittanning	28	ı		•	1	ı			8,632	210	1 1
Glen Irvan Corp. Strip Permit No. 671-12	Jefferson	Freeport	30								111,600	1	108,670**
						•	٠	1	ı	ı			17,545*
Strip Permit No. 671-17	Jefferson	Freeport	29						Total		115,760		110,500**
Glenn Coal Co., Div. of													
Strip Permit No. 343-19	Jefferson	Mid. Kittanning	22								,	,	
Strip Permit No. 343-20	Jefferson	Mid. Kittanning	22									ı	•
Strip Permit No. 343-24	Jefferson	Up. Freeport	30								123,840	713	713
	Jefferson	Mid. Kittanning	14								1 0		1 *
Strip Permit No. 1403-5	Jefferson	Lo. Kittanning	280								10.200	201	2.177
Strip Permit No. 1403-8	Jefferson		26										

				Shaf	Kind of Opening t: Slope	ning : Drift	 ft::	: Lam	Number and Type Lamps Used		Jo spund	Pounds of Explosives Used	s Used
		Geological	Height: of:										Other Permis-
Operators and Mines	County	Name of Coal Bed	Seam	: :Depth:I	: ength:De	: grees:Dri	Seam : :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	or: ous:Open	:Flame :Elec-:		Ammonium Nitrate	Dynamite	
Glenn Coal Co., Div. of Champion Coal Co., Inc. (continued)	(p)												
Strip Permit No. 1403-9	Jefferson	Lo. Kittanning	27				٠	1	•	6.610	10	150	85
Strip Permit No. 1403-10	Jefferson	Lo. Kittanning	25									,	3
Strip Fermit No. 1403-12	Jeirerson		200							126,177	.77	6,024	36,199
	Jetterson		26									ı	ı
Strip Fermit No. 1403-17	Jefferson	Lo. Kittanning	30							445,550	50	3,643	7,434
	Jefferson	Lo. Kittanning	27							10,/15	50.5	222	222
Strip Permit No. 1403-20	Jefferson	Lo. Kittanning	24							49,121	21	376	957
Harmon Coal Co.									Total	878,880	80	12,197	52,414
Strip Permit No. 514-12A4	Jefferson	Mid. Kittanning	30	,		`1	1	1		- 373,950	50	5,550	1
Jaro Mining Co.	Toffore		7										
Kann Coal Co., Inc.	ספדדבד	ro. rreeport	7/	•			ı	1					ı
Strip Permit Nos. 621-6(A3) & 1714-8	Jefferson	Up.&Lo.Freeport Up. Kittanning	30	,			•	•		950,300		23,080	,
Keystone Mining Co.		•											
Strip Permit No. 1647-5A	Jefferson	Lo.Free.&U.Kitt.	28-20							31,611	11	558	ı
Strip Permit No. 1647-6	Jefferson	Up. Kitt.	20-20				•			10,055	55	239	
Markle-Bullers Cosl Co									Total	397,220	20	4,443	-
Strip Permit No. 504-37	Jefferson	•	,				•	٠				,	1
Strip Permit No. 504-42	Jefferson	Up. Freeport	42	,		•	1	1	,	14,800	00	300	,
Strip Permit No. 504-45	Jefferson	U.&L. Freeport	48-28							1,029,311		23,940	1
Meterko, Andrew R.									Total	1,044,11		24,240	-
Strip Permit No. 1878-1	Jefferson	Lo. Freeport	99			1	1	1	,				1
Strip Permit No. 415-7	Jefferson	Lo. Kittanning	26-30	,		1	٠	•		81.600	00	2,208	•
Moore Coal Co., Everett													
Strip Permit No. 157-13	Jefferson	Lo. Freeport	38							27,900	00	200	220#
Auger-BAM-913	Jerrerson	Lo. Mid. Kitt.	72-97			•	•			. 55,867	29	866	144
			1						Total	83,76	67	1,498	661
North Cambria Fuel Co. Strip Permit No. 10-52	Tofforoon	To Vittonsing	33							1 1 1		17.1	
Auger-BAM-992	Jefferson	Lo. Kittanning	32							140,134	24	10/	

				Shaft:	o pu	f Opening Slope	Drift		: Lamp	Number and Type Lamps Used		Pounds of Explosives Used	lsed .
			Height	t:									Other
		Geological	jo								••		Permis-
		Name	Seam	4				:Gaseous or:	r:	:Flame :Elec-:			
Operators and Mines	County	of Coal Bed	Inche	s:Depth	: Length	: Degrees	:Dritt:	ongaseon	s:Oben:	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	ic : Nitrate	Dynamite	(Name)
North Cambria Fuel Co. (continued)	_									Total	145.134	761	
P & N Coal Co., Inc.										1			
		Up. &Lo. Free	32-30										
Strip Permit No. 32-49,	Jefferson		č								272 202 1	170 07	
80, 101 Park, Sarah L.		Up. Kitt.	<del>+</del> 7	ı	ı				ı		1,000,340	30,041	
Strip Permit No. 1733-1	Jefferson		1		1	,	1	1	1	1		ı	1
Reiner, Melvin													
Strip Permit No. 1277-1A	Jefferson	Lo. Kitt.	36		1						2,000	300	
Strip Permit No. 1277-2	Jefferson	Up. Free.	48	1	1			1		,		-	
										Total	2,000	300	-
Sky Haven Coal, Inc.											4 4 4	,	
Strip Permit No. 1812-24	Jefferson	Up. Free.	30	ı	1			•	1	1	85,930	1,721	54,991*
Strip Fermit No. 1812-20,2/ 28.29	Jefferson.	Lo. 6Mid. Kitt.	28								924,668	16,934	51,880*
	444									Total	1,010,598	18,655	106,871
Snyder, Marlin L.													
Strip Permit No. 395-2	Jefferson	Up. Free.	48	ı	1			,	ı		1		ŧ
Spring Valley Coal Co., Inc.	Tofforeon	Virtonning	3/	ı					1		098 960	3 591	8 095
Stanford, Richard	106 151 150	N. C. Callinating	† 7								•	•	,
Strip Permit No. 1205-1	Jefferson	Lo. Kitt.	26	,	,		,	1	,	'	12,300	397	
Strip Permit No. 1205-2	Jefferson	Lo. Kitt.	24										-
										Total	12,300	397	
Yenzi, John R.													
Strip Permit No. 1529-1	Jefferson	Up.&Mid.Kitt.	24	1	ı	ı		ı	1	1		-	-
									Distric	District Total	10,996,940	171,873	421,481

Slurry
Pellite HD
Primer

# District 38A

Partial   Part				<u>.</u>  !	: Kind	Kind of Opening ft: Slope	.Drift:		: Num	Number and Type Lamps Used		Pounds of Explosives Used	s Used
County   Name   Seam			1000	Height:		•••							Other
County   Of Coal Bed   Inches Depth:Length Degrees   Drift: Nongascous Coents   Traine   Drimanite			Name	Soam				0110000					Permis-
Jefferson Mid. Kitranning 18 564,090 6,796 5,796 5,796 Jefferson Brookville 38 564,090 22,737 Total Brookville 38 564,090 22,737 Total Brookville 38 564,090 22,737 Total Brookville 38 564,090 22,737 Total Brookville 38 564,090 22,737 Total Jefferson Up. Freeport 24 75,300 1,045 Total 24,310 1,045 Total 24,310 1,045 Total 24,310 1,045 Total 24,310 1,045 Total 25,510 1,045 Total 25,510 1,045 Total 25,000 1,000 1,000 Total 25,000 1,000 1,000 1,000 Total 25,000 1,		County	of Coal Bed	Inches: De	pth:Len	gth:Degr	ees:Drift:	Nongaseou	is:Open	Safety: th			
Jefferson   Mid. Kittanning   24	. D.	Jefferson	Mid. Kittanning	18							7	6.796	,
Jefferson   Wid. Kittenning   24   1,120,660   15,365	.+	Jefferson	Brookville	38 -	1	•	1	1	•	,	564,090	22,581	1
Jefferson   Up. Freeport   24     1,120,660   15,156   1,120,660   15,156   1,120,660   15,156   1,120,660   15,166   1,120,660   15,166   1,120,660   15,166   1,120,660   1,	10	Jefferson	Mid. Kittanning	24						E	013 113	- 00	
Jefferson Up. Freeport										Total	641,540	29,377	
Jufferson   Ho, Freeport   24   1,100,660   15,565     Jufferson   Ho, Freeport   24   1,100,660   15,565     Jufferson   Ho, Freeport   24   1,100,660   15,565     Jufferson   Ho, Freeport   24   1,20,600   10,465     Jufferson   Ho, Freeport   26   1,20,600   1,005     Jufferson   Ho, Freeport   26   1,20,600   1,20,000     Jufferson   Ho, Freeport   26   1,20,600   14,000     Jufferson   Ho, Freeport   26   1,20,600   14,000     Jufferson   Ho, Freeport   20   1,20,600   14,000     Jufferson   Juffer	0	Jefferson	Up. Freeport	24							997,595	13,855	,
Jufferson   Mid. Kittanning   34   10,480   10,480   1,045	7	Jefferson	Up. Freeport	24	٠						1,120,660	15,565	1
Jefferson   Up. Freeport   24     75,300   1,045     Jefferson   Mid.Kittaming   24     -   75,300   1,045     Jefferson   Jofferson   J	5	Jefferson	Mid. Kittanning	34							754,330	10,480	1
Jefferson Mid. Kittaming 24       24       75,470       1,045         Jefferson Mid.Kitt.eU.Free       24       75,470       1,045         Jefferson Jo. Freeport Jefferson Mid. Kitt.       26       -       -       -       -       -         Jefferson Jefferson Mid. Kitt.       10. Free       34       - <td>9</td> <td>Jefferson</td> <td>Up. Freeport</td> <td>24 -</td> <td>•</td> <td>1</td> <td>1</td> <td>ı</td> <td>•</td> <td></td> <td></td> <td>1,045</td> <td>1</td>	9	Jefferson	Up. Freeport	24 -	•	1	1	ı	•			1,045	1
Jefferson         Lo. Freeport         30         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,700         1,711,775         1,555         7,865         7,865         7,865         7,111,775         1,559         7,111,775         1,559         7,111,775         1,559         7,111,775         1,559	32	Jefferson	Mid. Kittanning	24							75,470	1,045	1
Jefferson         Mid.Kitt.         26         7	97	Jefferson	Lo. Freeport	30							122,200	1,700	1
Jefferson         Lo. Freeport         52	)3	Jefferson	Mid.Kitt.&U.Free.	24							566,220	7,865	-
Jefferson Up. Freeport 26										Total	3,711,775	51,555	1
Jefferson Freeport 48	9	Jefferson	Lo. Freeport	52									
Jefferson Mid. Kitt.       48	7	Jefferson	Up. Freeport	26	1	•	,	1	ı				
Jefferson Mid. Kitt.  Jefferson Mid. Kitt.  Jefferson Mid. Kitt.  Jefferson Lo. Freeport  Jefferson Lo	°°,		1										
S Jefferson Up. Free. 34	7-7	Jefferson	Freeport Mid vitt	18	1	1		•	1		000	1 7	1000
5         Jefferson         Up. Free.         34         -         -         -         -         474,080         10,283           8         Jefferson         Lo. Kitt.         20         -         -         -         1,569,629         15,639           10         Jefferson         Lo. Kitt.         20         -         -         -         1,569,629         15,639           10         Jefferson         Lo. Kitt.         20         -         -         -         -         1,569,629         15,639           10         Jefferson         Up. Freeport         36         -         -         -         -         -         -         1,569,629         15,639           10         Jefferson         Up. Freeport         36         - <td>,</td> <td>106 101</td> <td>niu. nitt.</td> <td>07</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Total</td> <td>280,000</td> <td>14,000</td> <td>30,000</td>	,	106 101	niu. nitt.	07						Total	280,000	14,000	30,000
Jefferson Up. Free. 34													
8         Jefferson         Lo. Kitt.         20         20         20         20         20         20         20         20         20         20         20         20         20         31,269,629         15,639         16,639         15,639         15,639         15,639         16,639         15,639         16,639	2	Jefferson	Up. Free.	34 -	1	1	1	1	1		1	ı	
O&IOA       Jefferson       Lo. Kitt.       20       20       20       20       20       20       1,269,629       15,639       15,639         7       Jefferson       Mid. Kitt.       20       20       20       20       3,200	œ,	Jefferson	Lo. Kitt.	20							474,080	10,283	,
7       Jefferson Mid. Kitt.       20         8       Jefferson Lo. Kitt.       20         9       Jefferson Up. Freeport       36       -       -       -       -       -       -       -       -         1       Jefferson Mid. Kitt.       18       -	-10&10A	Jefferson	Lo. Kitt.	20		•	,	(	1	,	1,269,629	15,639	ı
8 Jefferson Lo. Kitt. 20  Jefferson Up, Ereeport 36	17	Jefferson	Mid. Kitt.	20					1		318,201	3,920	1
10 Jefferson Up. Freeport 36	18	Jefferson	Lo. Kitt.	20							526,860	6,167	٠
0       Jefferson       Up, Freeport       36										Total	2,588,770	36,009	
Jefferson Up, &Lo. Free, 24-26	-10	Jefferson	Up. Freeport	36 -	1	1	1	٠	1		1	1	2,734
Jefferson Up,&Lo.Free, 24- Jefferson Mid.Kitt. Jefferson Lo.Freeport													
Jefferson Mid. Kitt. Jefferson Lo. Freeport	-2	Jefferson		24-26 -	1	1	1	1	1		•	•	•
Jefferson Lo. Freeport	-2	Jefferson	Mid. Kitt.	18 -	•	1	1	,	1	,		,	
Jefferson Lo. Freeport													
	7	Jefferson	Lo. Freeport	36 -	1	1	•	1	1	'		1	

### District 38A

				Shaft:	Slope	ing : Drift		: Lam	: Number and Type		Pounds of Explosives Used	Used
		Geological	Height:									Other Permis-
		Name	Seam				:Gaseous or:	or:	Flame :Elec-			sible
Operators and Mines	County	of Coal Bed	Inches	: Depth:	ength: Deg	rees:Drift	:Nongaseo	us:Oben	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	ic : Nitrate	Dynamite	(Name)
Doan Coal Co.	Tofforday	3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	96							39 232	1 006	
Strip Fermit No. 134-13	Toffergon		3.6							10160	2006	
	Jerrerson	Op. Freeport	0 0									
Strip Permit No. 154-15	Jetterson	Mid. Kitt.	77								1 0	
Strip Permit No. 154-17	Jefferson	Mid. Kitt.	22							285,689	7,324	
Strip Permit No. 154-18	Jefferson	Up. Kitt.	56	ı	1			ı		107,636	2,760	1
	Jefferson	Mid. Kitt.	22							176,041	4,513	
Strip Permit No. 154-21	Jefferson	Up. Kitt.	56							203,201	5,210	ı
Strip Permit No. 154-22	Jefferson	Lo. Freeport	48							18,107	,464	1
									Total	829,906	21,277	-
Doverspike Bros. Coal Co.												
Strip Permit No. 567-49,69	Jefferson	Lo. Kitt.	18							192,971	1,597	ı
Strip Permit No. 567-51,53	Jefferson	Mid. Kitt.	18	1	1	1	1	٠	1	198,994	1,989	
Strip Permit No. 567-55, 56,												
60,62,63	Jefferson	Mid. Kitt.	16							1,270,211	6,149	
Strip Permit No. 567-70	Jefferson	Lo. Kitt.	40						Total	1 668 363	9 851	
									TOTAL	7,000,000	7,002	
Esquire Fuel Co.	9.5	water culturally	0.7			1	1		1	13 000	ı	1
Strip Permit No. 263-10	Jeirerson	Kitt.og.ville	77-40		1	•				17,000	ı	1
Fye, Elmer E.		444	100								1	
Strip Permit No. 1008-1,2	Jetterson	Lo.Free.&U.Kitt. /2-28	97-7/				1	ı	1		ı	
Gearhart, Alvin		200	0 1						1	000 62	000	
Strip Fermit No. 03Z-II, IZ, IS	Jerrerson	Mid. Kitt.	07	ı		•	,	1		2006	2000	15,800*
Strip Permit No. 671-6	Jefferson	Lo. Kitt.	14	,		٠	,	1	1	370,320	1	17,940**
Glenn Coal Co., Div. of												
Champion Coal Co., Inc.			(							200	2000	15 751
Strip Permit No. 1403-3	Jefferson		56	1	1	1	1	1	1	700,617	7,74	10,401
Strip Permit No. 1403-4	Jefferson	Lo. Kittanning	22							- 000	7200	16 761
									Iocal	700,617	7,7,4	10,401
Hanley Brick Co.												
Strip Permit No. 886-3	Jefferson	Lo. Clarion	24	ı	1	ı	ı		1			1
Hepburnia Coal Co.			ò							200 813	1 719	1
Strip Permit No. 14-62	Jetterson	Up.&Lo.Free.	96	1	1	1	1	ı	1		77 / 77	
Strip Fermit NO: 14-00	Jerrer son	op. cho.rice.	24						Total	200,813	1,712	-
Ingram Coal Co.												
Strip Permit No. 1476-2	Jefferson	Lo. Kittanning	24	1	1	•		1	1	9,200	1,100	ı

## District 38A

			:	Shaf	Kind of Opening t: Slope	1 1 1	:Drift:		Number and Type Lamps Used	Type	Pounds:	Pounds of Explosives Used	Used
Geological	Geological		Height: of :										Other Permis-
Name County of Coal Bed	Name of Coal Be	ש	Seam : Inches:	: : Depth:I	: ength:De	: grees:I	Seam : :Gaseous or: :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	Gaseous or: Nongaseous:0	:Flame :Elec-: en:Safety:tric :	:Elec-	.: Ammonium : Nitrate	Dynamite	sible (Name)
Jefferson Up.Kitt.&Lo.Free.34-32	Up.Kitt.&Lo.	Free.	34-32						1	1	36	169,861	'
Jefferson Mid. Kittanning Jefferson Brookville	Mid. Kittanı Brookville	guju	20	1	1			·	- Tota1	- 1	45,000	5,000	
Jefferson Mid. Kitt.	Mid. Kitt.		18		,			'	1				
Jefferson Up. Freeport	Up. Freepor	'n	32	1	1				ı	ı	109,375	485	8,192#
Jefferson Up.&Lo.Free. Jefferson Lo. Kitt.	Up.&Lo.Free. Lo. Kitt.		30	1	1			'	- Tota1		45,000 110,000 155,000		1 1
Jefferson Lo. Freeport	Lo. Freeport		84		1					1	8,000	1	
Jefferson Lo. Freeport	Lo. Freeport		30	1	1				•	ı	9,920	700	ı
Jefferson Lo. Kitt.	Lo. Kitt.		16	,	1				•	ı	523,415	33,297	1
Jefferson Lo.&Up, Free. Jefferson Lo.&Mid, Kitt,	Lo.&Up. Free Lo.&Mid. Ki	t .	30		1				1 E		61,690	833	4,410##
Jefferson Mid. Kitt. Jefferson Mid. Kitt.	Mid. Kitt. Mid. Kitt.		38	1					1				-
	Lo. Kitt.		24		1				1	1	11,300	1	
	Up.&Lo. Clari Clarion&B'vil	on 1e	26							1	1,079,424@ 74,892@	1 1	1 1
. P.	Lo. Kittannir Lo. Kittannir	8 8	30 24	1					1	1	96,043@ 139,104@		
Jefferson Lo. Kittanning Jefferson Clarion&B'ville	Lo. Kittanni Clarion&B'vi	ng 11e	30 26							1	1,370,316@		

				: Kin	of Operation Slope	Kind of Opening ft: Slope	Drift:		: Lamp	Number and Type Lamps Used	ype .	Pounds of	Pounds of Explosives Used	s Used
			Height:											Other
		Geological	of:							••	••			Permis-
		Name	Seam :	••				:Gaseous or:	••	:Flame :Elec-:	lec-:	Ammon ium		
Operators and Mines	County	of Coal Bed	Inches	Depth:	Length:	Degrees	:Drift:	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	:Oben:	safety: t	ric:	Nitrate	Dynamite	(Name)
Stahlman Coal Co., Inc. (continued)	1)													
Strip Permit No. 9-57	Jefferson	Lo. Kittanning	30									770,050@	,	
Strip Permit No. 9-64	Jefferson	Clarion&B'ville	28							Total	4	4.357,187		
arr Ir. Ivan											4			
Strip Permit No. 368-4	Jefferson	Lo. Freeport	28							,		416,790	18,475	
Strip Permit No. 364-6	Jefferson	Lo. Freeport	28								1	162,241	066,6	
										Total	1	579,031	28,465	-
Strishock Coal Co.														
Strip Permit No. 214-16,17,21	Jefferson	Lo. &Mid. Kitt.	16	,	1	,	,	ı		,	,	640,785	7,178	,
Strip Permit No. 214-22	Jefferson	Lo. Kittanning	18											
Sugar Hill Limestone Co.														
		Up.Kitt.	24											
Strip Permit No. 496-10	Jefferson	Up.&Lo. Free.	25-60											
Strip Permit No. 496-16	Jefferson	Mid. Kitt.	18	ı	ı	ı	ı	ı	ı		,	136,900	3,071	
Strip Permit No.496-19	Jefferson	Lo. Kitt.	24											
Thomas Fuels, Inc.														
Strip Permit No. 1615-5	Jefferson	Up. Freeport	32	,	,	,	ı	ı	ı	1		ı	ı	ı
Thompson Fuel Co.														
Strip Permit No. 1861-2	Jefferson	Mid. Kitt.	20	ı	ı	,	,	ı	ı	ı	1	ı	ı	
Williams Coal Co.														
Strip Permit No. 1712-1	Jefferson	Lo. Freeport	09	ı				ı	ı		1	-	1	
									-	E		096 309	710 07.5	762 20
									DISERI(	DISTRICT TOTAL		7,000,700	410,040	100,00

Slurry
Pellite HD
Tovex
Wet Pack
Ammonium Nitrate and Slurry \* ‡ # # ©

	Pounds of Explosives Used	0ther	Permis-	sible	Dynamite (Name)	1	2 147 -	1.898		110	239 -	,161 -	5,624 -	1		15,120 -	0556	7,475 -	- 055	930 -	305 -	068,9	3,450 -			1	2,950 - 4,900 -	- 058'01	,		3,212 -	1.525 -		1,742 -	1		
	: Pounds of Ex				Nitrate		276.597			21,279		1,		ı		_								941,860 54,					5.956		372,720 3,	64.500		116,141 1,	1		
Number and Type	Used			:Flame :Elec-:	afety:tric	1				1			Total	•		1								Total 3				Total	1		1			1	1		
: Numbe	: Lamps Used			s or: :F	eous:Open:S	1				1				1					,	1							•		1		1	1			1		
	: Drift:			: Gaseous or:	rift:Nongas	1														1									1		1	•		1	•		
ling	Stope : Dr				Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	1																							1		1			1			
Kind of	Shart: S.		••		Depth: Lengt	1				1				1															1						1		
		Height:	of:	Seam :	Inches:1	. 24-42	32	32	26	26	32	24		30		24	77	22			23	25	28		(	30	30 18-20		16		07	38		18	18	;	
		,	Geological	Name	of Coal Bed	Mid. & Lo. Kitt. 24-42	Lo. Kitt.		Mid. Kitt.	Lo. Kitt.	Lo. Kitt,	Mid. Kitt.		Lo. Freeport		M.Kitt.&U.Free.	LO. OMId. KIEE.	Lo. &Mid.Kitt.	M.Kitt., U&L Free	Lo. & Mid. Kitt.	L.Free. &M.Kitt.	L.FreeRider	Lo. Free.			Lo. Freeport	Lonaconing		Lo. Freebort		L. Kitt.&L.Free,	Lo. Kitt.		Lonaconing	Up. Kittanning		
					County	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana		Indiana	;	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana	Indiana		:	Indiana	Indiana		Indiana		Indiana	Indiana		Indiana	Indiana	;	
					Operators and Mines	Apollo Corp., ine Strip Permit No. 1115-3 Arcadia Co. Inc. The	Strip Permit No. 164-13	Strip Permit No. 164-20	Strip Permit No. 164-21	Strip Permit No. 164-26	Strip Permit No. 164-30	Strip Permit No. 164-32	T 10	Decial Project No. 674	benjamin coal co.	Strip Permit No. 64-95	Strip Permit No. 04-12/			Strip Permit No. 64-158		Strip Permit No. 64-189	Strip Permit No. 64-194-&195		C & C Coal Corp.	Strip Permit No. 1197-9	Strip Permit No. 1197-15	1	Strip Permit No. 1887-1	Doverspike Bros. Coal Co.	Strip Permit No. 567-30,57,58	F.L.K. Mining Co. Strip Permit No. 1756-1	GARD Mining, Inc.	Strip Permit No. 1823-1,2 & 3	Tradition of 1333-1	Charle mead Coal CO.	

			1	Kind of	Kind of Opening			: Number	Number and Type			
			:Shaft:	ft: S	Slope	:Drift:		: Lamps Used	Used		Pounds of Explosives Used	Used
			Height:									Other
		Geological	; jo	••								Permis-
Operators and Mines	County	Name of Coal Bed	Seam : : :Gaseous or: :Flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Onen:Safetv:tric	: th: Lengt	: h:Degrees	: Grift: No	: Gaseous or:	Onen	:Flame :Elec-:	2-: Ammonium	Dynamite	sible (Name)
2-10 Refuse		U		1	ı	8						-
No. 107-6	Indiana	M.U.Kitt.&L.Free.								117,380	1,630	,
Strip Permit No. 10/-10 Strip Permit No. 107-11	Indiana	M. Kitt.&L.Free.	24 -	1	ı	ı	ı		1	1,063,180	2,530	
Marion Center Mining Co. Inc.									Total	1,362,695	18,925	a
Strip Permit No. 212-6A	Indiana		28							22,105,740	1,435	
Strip Permit No. 212-8A	Indiana	B'ville&L.Kitt. 3	36-42		,		,	ı	, , , , , , , , , , , , , , , , , , ,	20, 105	1 7.35	
Mears Coal Co.										27,103,/40	1,433	
Strip Permit No. 3-11	Indiana	M.Kitt.&L.Free.	24							•		,
Strip Permit No. 3-14	Indiana	Up. Freeport	30							6,780	213	
Strip Permit No. 3-16	Indian		30							2,055	157	150*
Strip Permit No. 3-20	Indiana	M.Kitt.&L.Free. 2	22-28							3,006	188	
Strip Permit No. 3-23	Indiana	Lo. Freeport	28	•	,	,	,	,	1	1	1	1
Strip Permit No. 1670-3	Indiana	Up. Freeport	28							2,001	199	,
Special Project No. 309	Indiana	Up. Freeport	32							1	ı	ı
Auger-BAM-829	Indiana	Lo. Freeport	28							1		
Auger-BAM-848	Indiana	Lo. Freeport	26							1	ı	1
Auger-BAM-1004	Indiana	Up. Freeport	28						,	1		
Oak Tree Coal Co.									Total	13,842	757	150
Strip Permit No. 1695-162	Indiana		1	١	•	,		,	1	1	ı	,
Old Home Manor, Inc.												
Strip Permit No. 615-30	Indiana	Lonaconing	19									
	Indiana	Lonaconing	19		,	1	1	,			,	
	Indiana	Lonaconing	19							152,080	1	1
Strip Permit No. 615-46	Indiana	Lonaconing	19							11,395	1	-
									Total	163,475	1	
P & N Coal Co., Inc.											1	
Strip Fermit No. 32-94	Indiana	Up. Freeport	040	1	1	1	,		1	151,420	17,453	ļ
orrip rermit No. 52-99	Indlana	Lo. Freeport	84							-		-
									Total	151,420	17,453	-

District 39

Haight: Slape   : Number and Type   : Chemis of Explosives Used theight:   : Lamps Used   : Chemis of Explosives Used   : Chemis		4
255 256 443 900 900 977 977 977 977 977 977 977 977		121,084
Opening   : Number and Type   Slope   : Lamps Used   : Lamps Used   : Lamps Used   : Lamps Used   : : : : : : : : : : : : : : : : : :		29,624,836
Of Opening   : Number at   Slope   : Drift:   : Lamps Use   : : : : : : : : : : : : : : : : : :	1	
Of Opening   : Nu   Slope   : Drift:	1	District Total
Slope : Drift: : Gaseous : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Degrees:Drift:Nongase : inth:Drift:Nongase  1	Distr	
Slope : Drift Slope : Drift Sigth: Degrees: Drift Sigth: Degrees: Drift Sigth: Degrees: Drift Sigth: Degrees: Drift	ı	
Slope Slope	•	
S S S S S S S S S S S S S S S S S S S	•	
L: I. I. I. I. I. I. I. I. I. I. I. I. I.	•	
Shaff:   S	•	
Height: of Seam: Inches: 100,000 100,0	40	
Geological Name Of Goal Bed Mid.&Up. Kitt. Lo. Freeport Lo. Freeport Up. Freeport Lo. Freeport	Up.&Lo. Freeport	
Geolo Name Of Co M1d.&u M1d.&u Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr Lo. Fr	Up.&Lo	
County Indiana	Indiana	
tes 1 Co. 653-10 1682-2 433-9 1269-1 513-2A2 1478-4 1478-4 1478-5 1478-5 1478-5 1478-6	1529-3	
Operators and Mines Pennsylvania Mineral Co. Strip Permit No. 653-10 Rayne Mining Co. Strip Permit No. 1682-2 Red Gap Coal Co. Strip Permit No. 433-9 Ruffner Coal Co. Strip Permit No. 1269-1 Strip Permit No. 1269-1 Strip Permit No. 13-2A2 Southwest Penna. Natural Resources Strip Permit No. 1919-1 TH Coal Co. Strip Permit No. 1478-4 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-5 Strip Permit No. 1478-7 Strip Permit No. 1478-7	Yenzi, John R. Strip Permit No. 1529-3	

\* Power Primers

# District 39A

				Kin Shaft:	Kind of Opening	1	Drift:		Number and Lamps Used	Number and Type Lamps Used		Pounds of Explosives Used	Used
			Height:										Other
		Geological	of:	**		••	••			'			Permis-
Operators and Mines	County	Name of Coal Bed	Seam : Inches:	: Depth:L	: ength: De	: grees:L	: Gas rift: Non	: Gaseous or: :Nongaseous:	:FI Open:Sa	Seam ; ; ;Caseous or; ;Flame :Elec-: Inches:Depth;Length:Degrees:Drift;Nongaseous:Open:Safety:tric ;	c-: Ammonium c : Nitrate	Dynamite	sible (Name)
A & C Coal Co.													
Strip Permit No. 1111-6 & 9	Indiana	Pittsburgh	09	ı	ı	ı	1	ı		1	ı	ı	ı
Arcadia Co., Inc., ine	Indiana	Ila Froenart	77								78.019	422	,
Strip Fermit No. 104-14	Indiana	MA VATT	24 6									1	,
Strip Fermit No. 164-19	Indiana	Mid. Nict.	2,0								767 08	201	
Strip Fermit No. 104-22	Indiana	MIG. NICL.	47						1		100	1 1	
Strip Permit No. 104-25	Indiana		000		ı	ı	1	ı			700 07	075	
Strip Permit No. 164-27	Indiana		26								68,296	268	
Strip Permit No. 164-28	Indiana		36								28,093	120	1
Strip Permit No. 164-33	Indiana	Up. Freeport	56							Total	295,375	2,130	
Beilchick Brothers													
Strip Permit No. 95-1	Indiana	Lo. Freeport	30	,	1	1		,	,	1	67,800	360	ı
Strip Permit No. 95-3	Indiana	Lo. Freeport	40								80,940	540	-
										Total	148,740	006	1
Bennett Coal Co.													
Strip Permit No. 924-3,4,4A,5	Indiana	Pittsburgh	72	ı	ı		1		1	1		1	1
Bentley Coal Co., Inc.													
Strip Permit No. 938-6&6A3	Indiana	U.Kitt.&L.Free.	26-38									1 -	1
Strip Permit No. 938-15	Indiana	Mahoning	26								39,159	2,614	1
Strip Permit No. 938-16	Indiana	Mahoning	27								28,500	1,307	ı
Strip Permit No. 938-17C	Indiana	Lo. Kitt.	72	1					ı		234,956	9,149	
Strip Permit No. 938-19	Indiana	Up.Kitt.&L.Free.	16-30								390,545	6,535	ı
Strip Permit No. 938-21	Indiana	Lo. Freeport	34								78,318	2,614	ı
Auger-BAM-1008	Indiana	Lo. Freeport	34							4	27 7.70	1 000	-
Buterbandh Construction Co.										local	0/417//	617,219	
Strip Permit No. 1482-1	Indiana	Up. Freeport	28								120,000	34,000	1
Strip Permit No. 1482-2	Indiana	Up. Freeport	28								120,000	34,000	,
Strip Permit No. 1482-3	Indiana	Up. Freeport	28	ı	1					1	16,000	2,000	1
Auger-BAM-786	Indiana	Up. Freeport	28										1
)										Total	256,000	70,000	
C. & C. Coal Corp. Strip Permit No. 1197-12	Indiana	Up. Freeport	77	1		,	1	1	1	1	1,735,630	31,379	ı
Dunkard Creek Coal, Inc.												,	
Strip Permit No. 939-2	Indiana	Lo. Kittanning	36								282,759	12,600	

# District 39A

				Shaft	Kind of Opening	ing : Drift		: Lam	Number and Type	Type		Pounds of Explosives Head	Maple
			Height										Other
		Geological Name	of Seam				: :Gaseous or:	: .	: : : : : : : : : : : : : : : : : : :	: :Elec-			Permis- sible
Operators and Mines Courtmust County	County	of Coal Bed	Inches	: Depth	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	rees:Drift	Nongaseo	us:Open	Safety	:tric	: Nitrate	Dynamite	(Name)
Strip Permit No. 939-7	Indiana	Lo. Freeport	34		•	•	٠	ı	ı		200,000	000,9	ı
Auger-BAM-938	Indiana	Lo. Kitt.	36						Total	_	482.759	18.600	. .
Freeport Coal Co., Inc Strip Permit No. 1553-2	Indiana	Up. Freeport	42	ı	,	ı	ı	•	,		104.610	2.083	'
Fye, Elmer E.	Tndiana		•		,		•		1	,	. '		
Glory Coal Co., Inc.													
Strip Permit No. 1462-2	Indiana	Lo. Freeport	42	ı	1	•	•	ı	ı	ı	ı	ı	
nawk contracting, Inc. Strip Permit No. 1259-5	Indiana	Up. Freeport	09								•	,	,
Strip Permit No. 1259-12	Indiana	Up. Feeeport	42	ı	1	•	٠	ı	1	-	.,776,300	43,677	4,200*
Strip Permit No. 1259-	Indiana	Pittsburgh	Stumps						ı	,	149,250	2,086	475*
Head Coal Co.									Total	_	055,526,1	45,763	4,6/5
Strip Permit No. 124-8	Indiana	Up. Freeport	20	ı	1	•	•	ı	ı		197,340	9,736	
Kravetsky, Charles Strin Permit No. 1223-6	Indiana	Dittehurch	7.9	,		,	•				,	,	
M & M Mining, Inc.			1										
Strip Permit No. 1207-464A	Indiana	Up. Freeport	38			•		•	ı	t	ı		ı
Special Project No. 529	Indiana	Pittsburgh	84		•	•	ı	1	ı	ı	1	,	ı
Mears Coal Co.		)											
Strip Permit No. 3-24	Indiana		ı	ı	1	•	•	ı	ı	ı	ı	ı	
Negley Coal Co., Inc.	Indiana	Dittehurch	7.9										
Strip Permit No. 1467-2	Indiana	Pittsburgh	76			1	ı	•		ı			ı
Strip Permit No. 10-29A4	Indiana	Lo. Kittanning									ı	ı	
Strip Permit No. 10-30A	Indiana	Lo. Kittanning									780,097	3,394	7,950**
Strip Permit No. 10-35A	Indiana	Up. Freeport	38		1	1	ı		ı	ı	174,041	586	3,000**
	Indiana		28								42,151	428	ı
Strip Permit No. 10-51C	Indiana		38								62,952	368	
Auger-BAM-1009	Indiana	Lo. Freeport	1						Total	-	059 27.1	777 /	10 950
Pelbro Fuel, Inc.									10.00		2726000		2000
Strip Permit No. 1578-10	Indiana	Lo. Kittanning	444							1	137,500	4,280	15,280#
Strip Fermit NO. 1010-2	Indlana	Up. Kittanning			ı	ŧ				ı	200,300		22,3201

7	Used	Other	Permis-	sible	(Name)	38,260#		1	1							1		1
1 - 1	Founds of Explosives Used				Dynamite	10,570 38		1	1			7,111	7,111		,			63,950
7	Founds or			Ammonium	Nitrate	343,800			1	54,480		243,560	243,560		1	,		615,906
Number and Type :	used			:Flame :Elec-:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	34 Total 68	1	1		Total	1	2	Total 2		1	,		9
Number	: ramps used				us:Open:Sa			ı							ı	,		
•••				: Gaseous or:	::Nongaseou					1		,			ı			1
- 1	DETEC	••			ees:Drift			1				١			ı	•		1
Kind of Opening	STope	••	••		ngth:Degr													1
Kind	:Share:				: Depth: Le			1		ı		,				,		1
		Height:	jo	Seam	Inches	44		06	36	36		36	36		84	09		84
			Geological	Name	of Coal Bed	Lo. Kittanning		Pittsburgh	Lo. Kittanning	Lo. Kittanning		Up. Freeport	Up. Freeport		Pittsburgh	Pittsburgh		Pgh.&Redstone
					County	Indiana		Indiana	Indiana	Indiana		Indiana	Indiana		Indiana	Indiana		Indiana
					Operators and Mines	Pelbro Fuel, Inc. (continued) Strip Permit No. 1518-3	R & L Development Co.	Strip Permit No. 1237-162	Strip Permit No. 1682-3	Strip Permit No. 1682-4	Ruffner Coal Co.	Strip Permit No. 1269-2A	Auger-BAM-980	Simpson, Marshall J.	Strip Permit No. 1831-2	Welmer, John Strip Permit No. 630-1	West Lebanon Coal Co.	Strip Permit No. 1376-1

\* Primer \*\* Tovex # B-Mix

92,085

299,837

8,578,269

District Total

				Kin	Kind of Opening	nino	-		Wimbor	Number and True			
				Shaft:	Slope		:Drift:		Lamps Used	Jsed Lype		Pounds of Explosives Used	Used
			Height										Other
		Geological	of										Permis-
		Name	Seam				: Gase	Gaseous or:	: F1	:Flame :Elec-:	:-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	: Depth: ]	ength: De	grees: D	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	aseous:	Open:Sa	fety:tric	: Nitrate	Dynamite	(Name)
BBL Enterprises, Inc. Strip Permit No. 1143-5 Strip Dormit No. 1143-5	Somerset	M.Kitt.&Rider	36-18								119,	5,370	1
Olithi totting totting	l as I amoc	Up.œLO. Free.	74-47							Total	120,061	186	
Beener, C. Edward Strip Permit No. 1211-3	Somerset	T.o. Freenort	12										
Better Mining, Inc.			7	ı	1	1						•	
Strip Permit No. 1220-7&8	Somerset	U.L.Free.&U.Kitt.	34	1					ı		,	ı	
Strip Permit No. 1282-4	Somerset	Up. Kitt.	30								492,415	150.120	
Strip Permit No. 1282-5	Somerset	Up. Free.	30	ı									,
Braws 1 Mining Inc										Total	492,415	150,120	
Strip Permit No. 1372-263	Somerset	Up. Free, Rider	50			1			ı		,		
Coal Junction Coal Co.													
Strip Permit No. 45-12	Somerset	Mahoning	36								005,6	200	,
Strip Permit No. 45-13	Somerset	Up.&Lo. Free.	09								648,477	8,300	726
Strip Permit No. 45-14	Somerset	Lo. Free.	18								238,278	4,500	300
	Somerset		18								216,200	1,500	200
Strip Fermit No. 45-17	Somerset	Up. Free.	48								14,900	650	,
Strip Fermit No. 45-19	Somerset		48								180,800	•	5,010
	Somerset		48								180,545	,	4,700
Strip Permit No. 45-23	Somerset	Up. Kitt.	48									-	1
20000										Total	1,482,600	15,150	10,936
Strip Permit No. 148-16	Somerset	Lo. Free.	34								122 726	7. 871	1
Strip Permit No. 148-21	Somerset	Lo. Free.	40		ı						7,138	283	
										Total	129,864	5,154	
Strip Permit No. 1635-1	Somerset	I'm Freenort	α,								000	1	
Strip Permit No. 1635-2	Somerset	Mid. Kitt.	7 4 4	ı							700,10	,,000	
										Total	37,582	7,000	1
Fetterolf Coal Co., Inc., M.F.													
Strip Permit No. 216-32046	Somerset	4 S D S D	. 6								1 0	1 1	
		ob. recont	3						1	Total	622,225	12,675	
Glessner Mines	3000	111111111111111111111111111111111111111	ò										
Godin & Goden Coal, Inc.	nag ramog	up. rreeport	<del>5</del> 7							ı	127,615	1,077	
Strip Permit No. 976-4	Somerset	Up. Kittanning	09								1		

				**	Kind of Opening	Opening	••		: Numb	: Number and Type	. be :		
				:Shaft:		Slope	: Drift:		: Lamp	Lamps Used	: Pounds	Pounds of Explosives Used	res Used
			Height:	.:									Other
		Geological	of								••		Permis-
		Name	Seam				:	:Gaseous or:		:Flame :Elec-:	.ec-: Ammonium	m	sible
Operators and Mines	County	of Coal Bed	Inche	3: Depth	:Length	: Degree	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	longaseou	s:Open:	Safety:tr	ic : Nitrate	Dynamite	ce (Name)
Godin & Goden Coal, Inc. (continued Strip Permit No. 976-6 Strip Permit No. 976-7	somerset Somerset	Lo. Kittanning Up. Kittanning	60		1	1	,	1	1		18,675	3,500	1 1
Gray Mining Co., Inc. Strip Permit No. 1475-1. 1A.										Total	141,613	8,150	1
1A2, & 1A3	Somerset	U.Kitt.&L.Free.	34-24	1		1			1		455,105	1	
Strip Permit No. 1985-1	Somerset	Lo. Kittanning	36	ı			,	1	,	1	1	1	1
J&R Coal Co. Strip Permit No. 1007-4A	Somerset	Refuse	1				,	1	,	1	1		1
King Coal Co. Strip Permit No. 1566-6	Somerset	Lo. &Mid. Kitt. U.Kitt. &L. Free.	36-24			1					216,370	3,264	17,160
Strip Permit No. 1566-10	Somerset	Lo. &Mid. Kitt.	40-24	1				ı	ı	Total	59,135	1,015	14,880
McClintock, J. Lloyd Strip Permit No. 1117-3	Somerset	Up. & Lo. Free.	24	1		1		,	,		47,905	1	-
Metco Mining & Minerals, Inc.													
Strip Permit No. 1312-2	Somerset	Bakerstown	20				1		ı		44,875	4,460	3,780*
Strip Permit No. 1312-5	Somerset	Mid. Kitt.	24								1	•	1
										Total	44,875	7,460	3,780
North Cambria Fuel Co. Strip Permit No. 10-42	Somerset	L.Free. &M.Kitt.	12-36	,	1		ı	1	1	1	24,049	163	
PBS Coals, Inc.		Up.&Lo.Free	30-32										
Strip Permit No. 222-19	Somerset	Up. Kitt.	36								1,592,801	56,980	1
Strip Permit No. 222-20	Somerser	Up. Kitt. &Rider	90	ı	ı	ı	1	ı	ı	1	92,021	19,324	ı
777_777 ON THE TOTAL	20000	Lo.FreeU.Kitt.	24-18								1,253,558	25,454	ı
Auger-BAM-923-968	Somerset	1	1							4	000000	101	1
المين الميم الميملية										Toral	2,938,380	101,/38	
Strip Permit No. 1855-6	Somerset	Up. Freeport	12	ı	1	1	1		1	1	138,518	4,198	1
Strip Permit No. 1860-1	Somerset	M.Kitt.&L.Free.	30-24								837,522	65,543	1
Strip Permit No. 1860-7&7A	Somerset	L.Free.&U.Kitt.	42-48	1	ı		ı	ı	ı	Total	107,495	103,461	
										1	1701010	10000	

				Shaf	Kind of Opening	B : Drift:		Number and Type Lamps Used	Type :	Pounds of	Pounds of Explosives Used	s Used
		Geological	Height: of :				•• ••					Other Permis-
Operators and Mines	County	Name of Coal Bed	Seam	: Depth: Le	: ngth:Degre	Seam : :Flame :Elec-: Inches:Depth:Length:Degrees:Drift:Nongaseous:Onen:Safetw.tric	:Gaseous or:	:Flame		Ammonium	Dymami to	
Svonavec, Inc. Strip Permit No. 553-10	Somerset	No. Freenort	36							258.698	2.482	1
Strip Permit No. 553-14	Somerset	Up. Freeport	47						7007	400,596	3,739	,
Strip Permit No. 553-15	Somerset	Up. Freeport	30		1	,	1	,				1
Strip Permit No. 553-16	Somerset	Up. Freeport	59						22(	220,014	2,942	,
Strip Permit No. 553-17	Somerset	Up. Freeport	48							321,482	2,600	1
20 20 40 20 20 20 20 20 20 20 20 20 20 20 20 20				٠				Total		062,	11,763	-
Strip Permit No. 1841-2	Somerset	Up. Freeport	34			,	1	1	- 115	119,280	3,020	-
							Distr	District Total		9,343,399	503,527	46,756
* Slurry												
				Distr	District 40A							
American Development Co. Strip Permit No. 1950-1	Somerset	Up. Kitt.	36					1				
American Mining Co. Strip Permit No. 1464-10	Somerset	Up. Freeport	27			,		1	,	,		
Beachy & Beachy Coal Co.			Č									
Strip Fermit No. 190-108-1083 Bittner, Darrell J.	Somerset	Fittsburgh	96			ı						
Strip Permit No. 1249-162	Somerset	Pittsburgh	24		•	,	1	ı	1			

	٠	•	1	1		ı		ı	1	1	1		
	,		,						1,825	-	1,825		
		,	1	,		1			234,842	20,273	255,115		
	1					,			ı				
	ı	1				,			ı		Total		
	,	1	1			١			•				ı
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1	,					ı							
			,										
	,												
	36	27	96	24		27		,	84	30			30
	Up. Kitt.	Up. Freeport	Pittsburgh	Pittsburgh		Up. Freeport		Pittsburgh	Pittsburgh	Morantown			Up. Kitt.
	Somerset	Somerset	Somerset	Somerset		Somerset		Somerset	Somerset	Somerset			Somerset
	American Development Co. Strip Permit No. 1950-1	American Mining Co. Strip Permit No. 1464-10	Beachy & Beachy Coal Co. Strip Permit No. 190-1CA-1CA3	Bittner, Darrell J. Strip Permit No. 1249-162	Bituminous Coals	3, 3A, 4	Blue Lick Coal Co., Inc.	Strip Permit No. 1657-2	Strip Permit No. 1657-3	Strip Permit No. 1657-4		Brant Mining Co., C.	Strip Permit No. 610-4

				K	Kind of Opening	penine			: Numb	Number and Type	vpe :		
				:Shaft:	Slc	Slope	: Drift:		: Lam	Lamps Used		Pounds of Explosives Used	s Used
			Height:										Other
		Geological	of										Permis-
		Name	Seam					: Gaseous or:	r:	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	: Depth:	Length	Degrees	:Drift:	Vongaseou	s:Oben:	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	ric: Nitrate	Dynamite	(Name)
Burnham Coal Co. Strip Permit No. 1279-3CA Auger-BAM-967	Somerset	Up.&Lo. Kitt.	18-30			ı			1		54,575	298	,
Strip Permit No. 1084-3	Somerset	Up. Freeport	28	ı	ı	ı	ı	,	1		54,500	980	1
Croner, Inc.	Somerset	IIn. Freenort	36								166.162	6,595	
Strip Fermit No. 143-18	Someraet	Up Freenort	36								26,910	1,068	,
Strip Permit No. 148-24	Somerset	Redstone	78	1	ı	ı	ı		ı		- 499,484	19,825	
Strip Permit No. 148-25	Somerset	Up. Kitt.	33								241,516	9,586	1
Strip Permit No. 148-26	Somerset	Redstone	48							Total	138,379	5,581	. .
Delta Mining. Inc.										3	10000		
Strip Permit No. 1200-3	Somerset	Up, Freeport	24								73,750	2,622	79,620
Strip Permit No. 1200-4	Somerset	Pittsburgh	40	ı	ı	ı	1	,	ı		1,552	386	23,730
Strip Permit No. 1200-5	Somerset	Up. Kitt.	33								104,100	2,441	48,780
										Total	179,402	5,449	152,130
East Ridge Mining, Inc. Strip Permit No. 720-4	Somerset	Wellersburg	26								17,000	150	,
Strip Permit No. 720-5	Somerset	1	1	,	ı	1	1	ı	ı				
Strip Permit No. 720-6	Somerset	Wellersburg	24							E	1 2000	005	
										Toral	17,000	130	-
Fetteroll Coal Co., Inc., M.F. Strip Permit No. 216-29	Somerset	Lo. Freeport	28			1	,	,		,	109,706	1,060	,
Strip Permit No. 216-31 & 33	Somerset	1								Total	109.706	1.060	. .
Fetterolf Mining Sales Co., Inc.													
Special Project No. 700	Somerset	Up.&Lo.Free.	27-36	ı	1		,	1	ı		1	ı	ı
Finzel Coal & Clay Co., Inc.	Tograph	Iln Kittanning	28	ı		ı	,	ı	ı		,	100,950	,
General Refractories Co.		0	)										
Strip Permit No. 560-1	Somerset	Mercer	09	ï				ı	ı		74,475	1,560	1
hay Mining, Robert F. Strip Permit No. 1726-1	Somerset	Lo. Bakerstown	30		1		ŧ	,				1	1
King Coal Co.											0	100	003
Strip Permit No. 1566-3	Somerset	Up. Freeport	30	ı	1	1	,	,	ı		0/0.6	971	4,300
Strip Fermit NO. 1900-4	comerser	opport do	/ 7							Total	0,070	126	4,500
M & M Mining Strip Permit No. 1953-1	Somerset	Big&Little Pitts	48	1		1	,	1	ı				1

# District 40A

				Kin	Kind of Opening	ino		· N.m.	Number and Type	. 92		
				:Shaft:	Slope	Drift		: Lamp	Lamps Used		Pounds of Explosives Used	Used
			Height	•			,					Other
		Geological	of									Permis-
		Name	Seam				: Gaseous or:		:Flame :Elec-:	c-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	Depth: L	ength: Deg	rees:Drift	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	us:Open	Safety:tr	c : Nitrate	Dynamite	(Name)
Moran Trucking & Coal Co., Tom Strip Permit No. 1784-1&1A	Somerset										,	,
Strip Permit No. 1784-1A2	Somerset	Mid. Kitt.	36		1	1	1	•	1	11,025	,	1
Strip Permit No. 1784-2	Somerset	Mid. Kitt.	36							198,827	8,864	-
									Total	209,852	8,864	1
Onyx Mining, Inc.		•	ò									
Strip Permit No. 1662-1	Somerset	Bakerstown	36									
Strip Permit No. 1662-2	Somerset	Mercer/Bakerstown	36				•	ı		1		
PBS Coals, Inc.	4											
Strip Permit No. 222-27	Somerset	Brookville	54							1,680,655	56.491	,
Auger-BAM-994	Somerset	Brookville	54		1	•	•	ı	1	. 1	. '	1
									Total	1,680,655	56,491	
Pembroke Coal Co.												
Strip Permit No. 1813-1	Somerset	U.Kitt.&L.Free.	40		1	1	1	•	1	118,600	11,530	
Penn Pocahontas Coal Co.												
Strip Permit No. 651-1	Somerset	Up. Freeport	20							1	ı	
Strip Permit No. 651-3	Somerset	Redstone	98							•	ı	
Strip Permit No. 651-5	Somerset	Up. Freeport	20							٠	1	1
Strip Permit No. 651-6	Somerset	Up. Freeport	20				٠	۰		469,700	3,030	1
Strip Permit No. 651-8 & 14	Somerset	Redstone	36							122,000	787	ı
Strip Permit No. 651-10	Somerset	Up. Freeport	20							697,456	4,500	
Strip Permit No. 651-11	Somerset	Brookville	48							607,987	3,922	
Strip Permit No. 651-13	Somerset	Brookville	78							136,238	879	-
									Total	2,033,381	13,118	1
River Hill Coal Co., Inc.												
Strip Permit No. 20-53	Somerset	Redstone	07							2,013	38	1
Strip Permit No. 20-54	Somerset	Waynesburg	24							85,025	1,735	
		Sewickley	18							85,025	1,735	
Strip Permit No. 20-55	Somerset	Redstone	40							62,538	1,277	
		Pittsburgh	09							62,538	1,277	
Strip Permit No. 20-59	Somerset	Redstone	07							121,442	2,479	1
		Pittsburgh	09							121,442	2,479	
Strip Permit No. 20-61	Somerset	Redstone	70							199,329	3,824	
		Pittsburgh	09							199,329	3,824	ı
Catalar Bosses No. 20 C142	1	Morgantown	25							100,000	3,824	
orith remar No. 20-0 LAZ	Somerser	neds cone	0 4							100,090	2,043	
		Fictsburgn	000							100,090	2,043	•
		Morgantown	77	1	1	•	1	ı	1	100,020	2,040	

## District 40A

				: Ki	Kind of Opening	1 1			: Numbe	Number and Type				
				:Shaft:	Slope		: Drift:		: Lamps Used	Used		Sounds of	Pounds of Explosives Used	s Used
			Height:		••					••				Other
		Geological	of		••		••			••	••			Permis-
		Name	Seam		••		9:	:Gaseous or:		:Flame :Elec-:		Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length:	Degrees	Drift: N	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	:0pen:	afety:		Nitrate	Dynamite	(Name)
River Hill Coal Co. (continued)														
Strip Permit No. 20-65	Somerset	Pittsburgh	09								14.	14.693	282	,
Strip Permit No. 20-66	Somerset	Franklin	30								105	105.827	2.02	,
Strip Permit No. 20-67	Somerset	Redstone	40								223	223,962	4.570	,
Strip Permit No. 20-67A	Somerset	Redstone	40								131.	131,800	2,528	,
		Pittsburgh	09								131	131,800	2,528	,
		Morgantown	25								131	131,800	2,528	,
Strip Permit No. 20-69	Somerset	Pittsburgh	09								604	604,467	11,594	,
		Pitts, Rider	10								604	604,467	11,594	,
Strip Permit No. 20-70	Somerset	Pittsburgh	09								464	494,920	9,493	,
		Pitts. Rider	10								767	494,920	9,493	1
Strip Permit No. 20-74	Somerset	Redstone	40								161,	161,287	3,094	1
		Pittsburgh	09								191	161,287	3,094	-
S & S Coal Co.										Tota1	4,699,510	,510	91,448	
Strip Permit No. 534-7	Someraet	Brooky 11a	61/				1							
Sanner Bros, Coal Co.			-						1	,			,	
Strip Permit No. 308-20	Somerset	U.Free.Bakerstown48-22	n48-22	,	,	,	,	,	,		- 137	137,775	5.918	,
Scurfield Coal, Inc.														
Strip Permit No. 256-11	Somerset	Brushcreek	30	,	,				,	,			,	,
Shafer, Walter F. & Betty														
Strip Permit No. 776-2	Somerset	Up. Freeport	99	,	,	,	,	,	,				35,580	,
Soberdash Coal Co.														
Strip Permit No. 1855-4,4A, 4A2,	•													
S. 100.1	Somerset	Brookville	42			ı	ı		,	ı	- 720,	720,825	28,425	
Strip Permit No. 1724-1	Comprant	71 F. Clauserelle 30-65	30-7.5											
Special Project No. 461	Somerset	Dittahurah	105	ı	,	,	,						1	
Summit Mines, Inc.	and the second	TECSONT SIL	707											
Strip Permit No. 1860-4 & 4A	Somerset	Lo. Kittanning	30	,		,		1					,	,
Sun Coal Co.			)											
Strip Permit No. 1441-5	Somerset	Lo. Bakerstown	28									1	1	,
Strip Permit No. 1441-6	Somerset	Barton	3,6										1	*000 67
	1000	na con	2									,		44,000
Strip Permit No. 1441-7	Somerset	Redatone &	36											51,423 × 6
		Pittshuroh Rider												**007
Strip Permit No. 1441-8	Somerset	Up. Freeport	21										,	21,500*
														16,500**
										Total			1	17 825

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				Dis	District 40A	41						
				Shaf	Kind of Opening	1 1 1	:Drift:	. Lar	Number and Type Lamps Used		Pounds of Explosives Used	ives Used
		Geological Name	Height: of Seam :				. Gaseous or:		Flame	<	Į.	Other Permis-
Operators and Mines	County	of Coal Bed	Inches	Depth	Length: De	grees:Dr	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	eous:Oper	Safety:t	Į	te Dynamite	
Inree S Coal Co. Strip Permit No. 824-4 & 11 Strip Permit No. 824-6	Somerset	Wellersburg Twin Pitts.&Morgantown	36				'	•			'	
Strip Permit No. 1474-1	Somerset	Mid. Kittan <b>n</b> ing	30	1			1	•	,	1	118,165	1
Will's Constituction Co. Strip Permit No. 1841-1	Somerset	Up. Kittanning	34	,			1	•				
								Distr	ict Total	District Total 11,426,892	524,592	274,455
* Hercomix ** B-Mix												
202				Dis	District 41							
Alumbaugh Coal Corp. Strip Permit No. 84-7 Strip Permit No. 84-8	Somerset .		48-36				•	•			9,295	
Strip Permit No. 84-10	Somerset	Up.&Lo.Kitt.	48-36						Total	564,899 724,229	32,955	
Badger Coal Co., Inc. Strip Permit No. 325-3C63CA Strip Permit No. 325-64268	Somerset	Up. Freeport Up. Freeport	39 39				1	•			- 1	28,405*
Bigan Coal Co., M.H.			:						Total	1	'	28,405
Strip Permit No. 657-5 Bigan Estate, J. E.	Somerset	Lo. Kittanning	84			1	•	1		1	•	
Strip Permit No. 291-5 Blue Lick Coal Co., Inc.	Somerset	Lo. Kittanning	42		1		1	1		1,250	50	
Strip Permit No. 1657-6 Roomdown Cost C. Tro	Somerset	Bakerstown	20	,	1		1	1	•	1	'	,
Strip Permit No. 1282-2 & 3 Rrant Cosl Co.	Somerset	Up. Kittanning	36				'	1		1	'	
Strip Permit No. 194-4 Strip Permit No. 194-7	Somerset	Lo. Freeport	39		1	'	ı	•	1 E	26,000	225	

Total

				K4	Kind of Opening				Number	Number and Type			
			Hotoh	Shart	Stope		Drift		Lamps Used	used	Founds	Founds of Explosives Used	Used
		Geological	of		٠.,		(	• ••	i	i			Permis-
Operators and Mines	County	Name of Coal Bed	Seam	: Depth:	: Length:D	egrees:	<pre>Seam : :flame :Elec- Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric</pre>	:Gaseous or: Nongaseous:	Open:Sa	:Flame :Elec-: :Safety:tric :	c-: Ammonium c : Nitrate	Dynamite	Sible (Name)
C & P Coal Co., Inc.	9 cm C C	3000	7.7								83 008	009	1
Coal Junction Coal Co.	20mcr acc	no. ricepore	t								000,00	000,0	
Strip Permit No. 45-21	Somerset	Bakerstown	18	,	,	1	1		1	1	17,000	258	1
Diamond T Coal Co.		1									0	1	
Strip Permit No. 544-1 Strip Permit No. 544-2	Somerset	L.Free.&U.Kitt. @	30-42 @	ı	1	ı	1	ı	1	1	786,887	7,790	
		,	,							Total	2,986,121	29,961	1
Drummond Coal Co., Inc.													
Strip Permit No. 1635-3	Somerset	Brookville	23									1	ı
East Ridge Mining, Inc.	10000	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	3.7								005 75	660	3 50044
Strip Permit No. 720-184	Somerset	Lo. Kittanning	77	,	,				,		74,200	000	2,000
Strip Permit No. 720-3	Somerset	Lo. Freeport	37							Total	43,000	380	
											97,500	1,040	3,500
Fetterolf Coal Co., Inc., M.F.													
Strip Permit No. 216-24	Somerset	1	1 6										
Strip Fermit No. 210-43 & 49	Somerser	Lo. Kitt., Kider& 38-24	38-24	ı					ı	1	25% 053	5 037	1 1
			24							Total	254,053	5,037	
Glessner Mines													
Strip Permit No. 1612-2	Somerset	Brushcreek	28	ı					ı	1	139,946	4,150	
H & H Coal Co.		:											
Strip Permit No. 1348-1	Somerset	L.Kitt.&Rider	52-23										
Strip Permit No. 1348-2	Somerset	L.Kitt.&Rider	52-23										ı
Strip Permit No. 1348-3	Somerset	L.Kitt.&Rider	52-23								1		ı
Strip Permit No. 1348-4	Somerset	L.Kitt.&Rider	52-23		,		1		1	1			ı
Strip Permit No. 1348-5	Somerset	L.Kitt.&Rider	52-23								,	1	ı
Strip Permit No. 1348-6	Somerset	L.Kitt.&Rider	52-23								16,625	325	1
Strip Permit No. 1348-7	Somerset	Up. Kitt.	42									-	1
										Total	16,625	325	-
Heshbon Coal Co., Inc.	4	1100	23										
J & P Mining Co., Inc.	Somerser	LO. NILL.	35	ı				ı				1	
Strip Permit No. 1191-3 & 4	Somerset	Lo.&Up. Freeport		,	ı	,					280,050	7,025	18,280#
Strip Permit No. 1191-6	Somerset	Lo. & Up. Freeport	rt 24										
										Total	280,050	7,025	18,280

			1	Kind Shaft:	Kind of Opening t: Slope	:Drift:		Number and Lamps Used	Number and Type Lamps Used		Pounds of Explosives Used	Used
		100,000	Height:	••								Other
		Name	Seam :				Gaseous or:		.Flame :Elec-	. Ammonium	E	Permis-
Operators and Mines	County	of Coal Bed	Inches: D	epth: Len	gth:Degre	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	ngaseous	:Open:S	afety:tr		Dynamite	(Name)
K & G Coal Co. Strip Permit No. 1198-1	Somerset	L. Kitt.&Rider	24									
Strip Permit No. 1198-3	Somerset	Up. Kitt.	30							•		
& 4A2	Somerset	Bastard	18		•	1				428,190	7,722	,
***************************************		Up. Kittanning	28					1	1	220,583	3,372	1,860
Strip Permit No. 1198-5	Somerset	Lo. Freeport	26							473,051	8,488	
		n. Nice. onluer	† 7						Total	1,609,495	28,616	1,860
Lasky Construction Co., Inc. Strip Permit No. 217-8.9C&10	Somerset	Laskv-Mercer	30									
		Rider #1	18									
		Rider #2	16		•			,	1	844,800	20,000	1
		Brookville	36									
1000		Clarion	25									
Strip Permit No. 1554-1	Somerset	Mid.&Lo.Kitt.	23-48	'	•	,			1	200,000		,
Strip Permit No. 222-6	Somerset	Lo. &Up. Freeport	30-24							1,313,258	22,879	ı
Strip Permit No. 222-7	Somerset	Up. Kittanning	42 .8-2/		1	1		1	1	82,883	319	
	Somerset	Lo.Free.&U.Kitt.	27-30							453,643	13,377	1 1
									Total	2,703,876	48,134	
Schmidt, William			;									
Scrip Fermic No. 1531-1&LA Scurfield Coal, Inc.	Somerset	Lo. Kitt.			1							ı
0 220 - 12 - 12 - 12 - 12 - 12			30									
Strip Fermit NO. 230-0	Somerser	Lo. Free.	33							210,150	3,050	
			3 ‡		٠		,	1	1			
Strip Permit No. 256-9	Somerset		30							166,500	2,500	
Strin Dermit No. 256-12	Compress	To & IIs Vitt	747							100 255	10 67.7	2 600
	100		1						Total	559,005	25,197	3,690
Strip Permit No. 1179-3A	Somerset	Mid. Kittanning	36							330,750	3,532	
Strip Permit No. 1179-6&6A	Somerset	In Kitt	20-20							109 425	1,388	
	Somerset	Mid. &Lo. Kitt.	34-72							639,333	7.568	
			71-15							2000	2000	

				: Ki	Kind of Opening	1 1	:Drift:	: Nu	Number and Type Lamps Used		Pounds of Exblosives Used	Osives	Sed
		Geological Name	Height: of Seam				: Gaseous or:		Flame :Elec-:	₹	ium	O ir a	Other Permis-
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: De	grees:Dr	ift:Nongas	eous:Ope	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric :			Dynamite (	(Name)
Shade Mining Co. (continued) Strip Permit No. 1179-8	Somerset	Mid. Kittanning	28		,	'	'	'					
		Lo. & Up. Free.	26-18							73,650		1,329	
Auger-BAM-950	Somerset	Lo. Freeport	30							1	•		
Auger-BAM-951	Somerset	Lo. Freeport	26										
Auger-BAM-966	Somerset	Lo. Kitt.	7.5						Total	1 435 533	17	717	
Shaffer, Myron									TOLAT	1,400,000	4/3	77	
Strip Permit No. 359-5	Somerset	Lo. Freeport	24										
Strip Permit No. 359-6A&A2	Somerset	L.Free.&M.Kitt.	28-32										
Summit Mines, Inc.													
247 Permit NO. 1900-2, 24,	Somerset	Ilb. Kittannine	30							,	·		
Strip Permit No. 1860-3,3A,		0											
3A2	Somerset	Up. Kittanning	30							706,495		439	
Strip Permit No. 1860-5	Somerset		30	•	,	'	•	1	1	- 223,891		159	,
Strip Permit No. 1860-6	Somerset	Up. Freeport	36							146,329	152,098	960	
Auger-BAM-1022	Somerset	Up. Kittanning	36										.
									Total	1,076,715	337,996	966	.
Three S Coal Co.													
Strip Permit No. 824-2	Somerset		30							22,355		006	,
Strip Permit No. 824-5	Somerset		09	,	,	'	'	1	,	37,725		1,300	
Strip Permit No. 824-8	Somerset		30							60,250		1,850	
Strip Permit No. 824-9	Somerset	Lo. Kittanning	30							43,365		1,250	
									local	103,093		005,0	
M. W. CORL CO.	Comoron	IIn Eronon	36							,			
Still Fermit NO. 394-3	Somoreot	Wid Vitt	ο α							62 100		3 987	
Strip Fermit No. 334=3	Comorgot	Hrd. Mice.	9 4		,					204,20			
Strip Fermit No. 554-5	Somoreot	Op: reepore	2 4							207 000	13 290	060	
Ortifo Fermit No. 234-1	DOMET SEL	TOWNS WITH	0 0							200,102		27.7	
Strip Fermit No. 394-6	Somerser	Up. Kittanning	00						Total	276,000	17.	720	
Windber High Standard Coal Co.													
Strip Permit No. 246-464A	Somerset									1			
Strip Permit No. 246-7 & 7A	Somerset	Up. & Lo. Kitt.	30							141,210		8,985	
Strip Permit No. 246-8	Somerset		30				1	•	ı	108,920		3,235	
Strip Permit No. 246-11	Somerset	Lo. Kitt.	300							100		8.	
מפפר הנהו ידיני			9						Total	404,695	15,820	320	

				Kind c	Kind of Opening	4	nuN :	Number and Type		Donne of Time Inches	1
		Geological Name	Height: of Seam :	oligin.		Gase	Gaseous or:	Flame :Elec-:	4	ין באטוספרטפ	Other Permis- sible
Operators and Mines	County	of Coal Bed	Inches:	Depth: Len	gth:Degree	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :	seous:Oper	:Safety:tr	ic : Nitrate	Dynamite	(Name)
rancus, steve Strip Permit No. 1707-1 Auger-BAM-995	Somerset	Lo. Kitt. Lo. Kitt.	87	1	1	1		Total	71,711	610	
Zubek, Edward Strip Permit No. 1706-1	Somerset	Up. Kitt.	30	1	1	1	'		145,600	3,050	
							Distri	District Total	14,116,997	619,081	55,735
* Amonite ** Slurry # Slurry # Slurmite # Description											
				District 42	ct 42						
Ace Drilling Coal Co., Inc. Strip Permit No. 218-12	Cambria	Lo. & Mid. Kitt.							1	1	ı
Strip Permit No. 218-14 Strip Permit No. 218-17	Cambria	Lo. & Mid. Kitt. Lo. & Mid. Kitt.	54						719,700	9,220	1 1
Strip Permit No. 218-18	Cambria	Lo. Freeport	30	1	1		1	1	1 1		
Strip Permit No. 218-22 Strip Permit No. 218-22 Strip Permit, No. 218-24	Cambria Cambria							E	359,850	6,100	1 1
Render Coal Co. E. P.								Total	1,309,300	19,920	
	Cambria	Up. Freeport Lo. Freeport	38 36						1,010,960 650,120	56,389 8,720	
Strip Permit No. 593-16 Strip Permit No. 593-17	Cambria	Up. Kittanning Up. Freeport	34	1	•	1	1		195,510	3,653	

			1	Kin	Kind of Opening	ning			: Numb	Number and Type	ype :			
			:SI	:Shaft:	Slope		:Drift:		: Lamp	Lamps Used		Pounds of	Pounds of Explosives Used	Used
			Height:		••	••				••	••			Other
		Geological Name	Seam :	•• ••			: Ga	Gaseous or:		:Flame :Elec-	lec-:	Ammonium		Permis- sible
Operators and Mines	County	of Coal Bed	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	epth:L	angth: De	grees: L	rift:Nor	gaseons	:Open:	afety:t	ric:	Nitrate	Dynamite	(Name)
Bender Coal Co., E. P.	o hardwood	Tr 6. To Drop	36									000	00%	
Strip Fermit No. 593-19 Strip Permit No. 593-20	Cambria	Lo. Freeport	18								3	365,310	6,939	
Strip Permit No. 593-21	Cambria	Lo. Kittanning	32							•	ľ	. 1		
•										Total	2,2	2,227,900	75,901	-
Strip Permit No. 64-122	Cambria	Lo. Freenort	30					,	,	,		354.635	4.925	
Bentley Coal Co., Inc.														
Strip Permit No. 938-4 Refuse	Cambria		ı					ı	ı	ı		ı	ı	ı
Cambria Coal Co.														
Strip Permit No. 1206-4	Cambria	Lo. Clarion	33								1,1	1,145,063	9,895	
	Cambria	Up.&Lo. Free.	24-30									94,433	2,105	
	Cambria	Up. Free.	25								1,0	1,032,642	11,918	
	Cambria	Lo. Clarion	40								1,0	1,021,214	13,843	,
	Cambria	Lo. Clarion	33								2	241,851	1,118	
	Cambria	Mid.&Lo. Kitt.	20-24								3	321,979	2,534	
Strip Permit No. 1206-38	Cambria	Up.&Lo. Free.	20-33								1,0	1,071,839	12,684	
Auger-BAM-757	Cambria	Up. Freeport	25										1	-
										Total	وړ و	4,929,021	54,097	-
Coal Utilities Corp.														
Strip Permit No. 1120-4	Cambria	Up. Freeport	38											
Strip Permit No. 1120-5	Cambria	Up. Kittanning	36									007 076	0 7.13	
Strip Permit No. 1120-7	Cambria	Up. Freeport	42	ı	1	ı	ı	ı	ı	ı		00/6//	01470	ı
Strip Permit No. 1120-8 Cooney Bros Coal Co.	Cambria	Up. Kittanning	33											
Strip Permit No. 238-1	Cambria	Up, Freeport	42								2	260,000	700	1
Strip Permit No. 238-2	Cambria	Up. Freeport	42									. '	,	,
Strip Permit No. 238-3	Cambria	Brookville	36								1,8	1,800,000	3,700	,
Strip Permit No. 238-10	Cambria	Up. Kittanning	34								e	300,000	1,200	,
Strip Permit No. 238-14	Cambria	Up, Freeport	40								3	300,000	1,000	ı
Strip Permit No. 238-15	Cambria	Brookville	28						,	,	7 -	400,000	1,300	
Strip Permit No. 238-16	Cambria	Lo. Kittanning	30								2	240,000	1,000	,
No.	Cambria	Brookville	30								4	450,000	3,000	
Strip Permit No. 238-18	Cambria	Up. Freeport	34								e	350,000	1,600	
Strip Permit No. 238-19	Cambria	Brookville	30								e	340,000	1,000	
	Cambria	Brookville	30								e	340,000	1,000	,
Strip Permit No. 238-22	Cambria	Lo.&Up. Free.	40								-1	140,000	9,000	-
										Total	64,	4,920,000	21,500	-

				: Ki	Kind of Opening	1 1	Drift		Number and Lamps Used	Number and Type Lamps Used	Type :	Pounds of Explosives Used	Explosives	Ilsed
			Height:									10	TO TE OT OUT	Other
		Geological	of					• ••						Permis-
			Seam		••	••	: Gas	:Gaseous or:	H	:Flame :Elec-:	:->=1E			sible
Operators and Mines	County	of Coal Bed	Inches	Depth:	Length: D	egrees:	Orift:Nor	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	Open:S	afety:	ric:	Nitrate	Dynamite	(Name)
Fran Contracting, Inc. Strip Permit No. 1073-11	Cambria	Lo. Kitt.	26									217,000	931	
Strip Permit No. 1073-11A	Cambria		56	ı	,	,	1	,	ı	,		29,000	213	,
Strip Permit No. 1073-15	Cambria	Lo. Kitt.	26								1	56,000	365	
GMK Co.										Total	'	302,000	1,509	
Strip Permit No. 946-2 Refuse	Cambria		ı		ı		,	1	,			,	,	,
Strip Permit No. 1641-1	Cambria	Lo. Kitt.	30	,	,		,	,	1	1	,	,	,	
Hepburnia Coal Co. Strip Permit No. 14-68	Cambria	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	36									200 67.1	000	
Interstate Fuels Co., Inc.		340000	3	ı	ı							30,041	020	
			09											
Strip Permit No. 1575-1, 2 & 3	Cambria	Lo. & Up. Free.	23-34	i						1	,	247,205	4,975	8,100*
Strip Permit No. 1433-26														
Special Project No. 567	Cambria	Up. Freeport	48	,	,			1	1	1			,	•
Lawrence Resources														
Strip Permit No. 1619-1,263	Cambria	Lo. & Up. Free.	55-42					,	1	1	,	31,820	1,029	10,860**
Lechene Coal Co., Inc.	, had	112 17444	00									0	,	
M & K Coal Co.	Campita	UP. NICL.	20									50,840	1,9/1	
Strip Permit No. 747-1 Refuse	Cambria	•			,	,				1			1	
M & M Mining, Inc.														
Strip Permit No. 1207-8 Strip Permit No. 1207-10	Cambria		40-15	1	1							1 7 7	1 1	
Strip Permit No. 1207-14	Cambria	Lo. Kittanning	405 405	,								14,000	7,700	
Marratella Coal Co										Total		14,000	1,700	•
Strip Permit No. 1773-1	Cambria	Lo.&UD. Free.	36	,	,			,	,				,	
Peles Coal Co., Inc.														
Strip Permit No. 612-7&7A	Cambria	Up. Freeport	36			,	1	1	,		,	784,045	5,031	
Strip Permit No. 921-5	Cambria	Lo. Kitt.	42		,		,	,		,	1	270,780	5.375	
Ridge Mining Co.														
Strip Permit No. 654-1 Universal Minerals, Inc.	Cambria	Lo. Kitt.	32	,	ı		1	1	,		- T	1,064,360	80,245	
Strip Permit No. 1116-2, 3														
& 4 Refuse	Cambria		,	1		,	,	1	1	1	1			

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			Vind of Onening		Number and Time.			
			1	. Dr.16+.	Lamps Head	Pounds of	Pounds of Explosives Used	lsed
			2010			40	2	Orber
								CIICI
		Geological						Permis-
		Name	Seam : : : :	: :Gaseous or:	:Flame :Elec -: Ammonium	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric :	:Drift:Nongaseous:Op	en:Safety:tric :	Nitrate	Dynamite (Name)	(Name)
Wesott, Inc.								
Strip Permit No. 1465-3	Cambria	Lo. Free.	36	1	,	900,009	16,000	,
Strip Permit No. 1465-4	Cambria	Up. Kitt.	53			15,640	4,305	1
					Total		20,305	1
				Distr	District Total 17,8	17,800,092	308,434 18,960	096'
					!!			

\* Slurry \*\* Blasting Agents

	,	1	,		1	1	1		1	•	1	1	1	1		1	ı
	357	3,779	. '	155	096.67	15,040	310		3,820	15,820	7,460	6,050	4,540	103,155		10,222	5,203
	40,050	288,129	. '	2,145	3,618,785	1,083,000	22,460		274,950	1,138,970	537,170	435,850	327,300	7,440,630		006,086	391,204
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									1					Total			•
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District 43	,	,	,						1								•
Äl	1	1	1						1								ı
	24	28	36 24	21	24	23	24		24	23	24	20	22			24-31	23-19
	Lo. Freeport	Lo. Freeport Up. & Mid. Kitt.	Freeport Mid. & Up. Kitt.	Up. Freeport	Lo., Up. Free, Rider	Up.&Lo.Freeport	Up.&Lo. Freeport	Up. & Lo. Free.	Up. Kitt.Rider	Up, &,Lo, Free.	Lo. & Up. Free.	Lo. Freeport	Up. Freeport			Up.&Lo.Free.	L.M.&U. Kitt, 20-23-19
	Clearfield	Clearfield	Clearfield	Clearfield	Clearfield	Clearfield	Clearfield		Clearfield	Clearfield	Clearfield	Clearfield	Clearfield			Clearfield	Clearfield
	Andray Mining Co. Strip Permit No. 1771-1	Arcadia Co., Inc., The Strip Permit No. 164-23&24	Avery Coal Co., Inc. Strip Permit No. 584-16 Benjamin Coal Co.	Strip Permit No. 64-106	Strip Permit No. 64-111	Strip Permit No. 64-144 & 145	Strip Permit No. 64-174		Strip Permit No. 64-180	Strip Permit No. 64-184	Strip Permit No. 64-185	Strip Permit No. 64-190	Strip Permit No. 64-199		Cambria Coal Co.	Strip Permit No. 1206-25	Strip Permit No. 1206-26

				. Kir	Kind of Opening	Ing . Drift.		. Num	Number and Type		Pounds of Evnlosives Used	Trad
			Height:								200	Other
		Name	Seam :				:Gaseous or:	or:	:Flame :Elec-:			rermis- sible
Operators and Mines	County	of Coal Bed	Inches	Depth: I	ength:Deg	rees:Drif	t:Nongase	ons:Oben	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	lc : Nitrate	Dynamite	(Name)
Cambria Coal Co. (Continued) Strip Permit No. 1206-27	Clearfield	Up. Freeport	24						Total	1,201,270	7,316	
Cambria Mills Coal Co., Inc. Strip Permit No. 548-8 Auger-BAM-969	Clearfield Clearfield	Lo. & Up. Free. & Lo. Kittanning Up. Freeport	30	1	,	1	1	1	1		3,300	
Central Pennsylvania Coal Co., Inc. Strip Permit No. 1946-1	c. Clearfield	Freeport	24	,	'	'	1	'	Total	387,610	3,300	1,250
Dominion International, Inc. Strip Permit No. 1683-1	Clearfield	Up.&Lo. Free.	28			1	•	1		309,202	14,368	
Empire Coal Co., Inc. Strip Permit No. 69-42 Strip Permit No. 69-58	Clearfield Clearfield	B'ville,Lo. Kitt. Middle Kittanning, Lo. Free., Rider	28		,	1	1	1	1	2,616,845	36,345	
Flango Bros. Coal, Inc. Strip Permit No. 161-10 & 12 Strip Permit No. 161-16 & 18	Clearfield Clearfield	Lo.&Up. Free. M. Kitt.,L.Free. 28-48	18 28-48	1	,	1	1	1	Total	37,680	36,495 1,350 -	1 1
H & T Coal Co. Strip Permit No. 1513-1	Clearfield	Moshannon Up. Kittanning Lo. Kittanning Kittanning,Rider	12 24 24 12	1	1	1	1	1	1 1 E		144,950 7,000 20,000	
Hamlin Coal Co., Inc. Strip Permit No. 536-8 Head Coal Co.	Clearfield	Up.&Lo.Free. Clarion	29		'	1	1	ı	Total	365,080	5,080	
Strip Permit No. 124-10&10A Hepburnia Coal Co.	Clearfield	Lo. Kittanning	42		'	1	ı	1	1	268,617	26,935	
Strip Permit No. 14-43 & 43A Strip Permit No. 14-51 Strip Permit No. 14-52 Strip Permit No. 14-54-54A	Clearfield Clearfield Clearfield Clearfield	Up.&Lo. Free. Up. Freeport Up. & Lo. Free. Up. Freeport	24 24 24 24		1	1	1	•	,	254,215 932,098 254,215	6,764 22,139 6,764	
Strip Permit No. 14-59 Strip Permit No. 14-65 Strip Permit No. 14-67 Strip Permit No. 14-69	Clearfield Clearfield Clearfield Clearfield		22 28 22 28						Total	124,080 778,427 382,418 242,360 2,967,813	10,519 27,993 13,260 6,208 93,647	

				Kind	o jo pu	of Opening			Numbe	Number and Type	Type :			
				:Shaft:	Slope	be	:Drift:		Lamps	Lamps Used		Pounds of	Pounds of Explosives Used	Used
		Geological	Height: of											Other Permis-
		Name	Seam	!			: Ga	Gaseous or:	Η .	:Flame :Elec-:	:lec-:		-	sible
Operators and Mines	County	ot Coal Bed	Inches	Depth: I	ength:	Degrees	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Salety:tric :	ngaseous	Open: S	arery:	r1c :	Nitrate	Dynamite	(Name)
Iraca Coal Co., Joe G. Strip Permit No. 1675-2	Clearfield	Up. Freeport	97	1	ı						1	166,450	6,100	24,675*
K & J Coal Co. Strip Permit No. 56-8, 19,	o rate	Ila & I.o. Eroo	20-18								L	0000	6	
44, 55 & 5/	Callibria	U.,M.&L. Kitt.48-21-48	-21-48				1			ı	n I	5,833,092	84,49I	390,570**
Kann Coal Co., Inc. Strip Permit No. 1714-1,2,5,														
9, 12 & 13	Clearfield	Up. Freeport	30	1	1		1				١	5,413,080	265,710	1
Leageville Coal Co. Strip Permit No. 1759-1	Clearfield	Up.&Lo.Kitt.	32	,	1		1	1	1	ı	1	38,250	,	1,705#
McDonald Land & Mining Co., Inc. Strip Permit No. 659-17	Clearfield	Up. Freeport	22	,	,	1	1	,	,		1	154,395	11,225	1
P & N Coal Co., Inc.		Up. & Lo. Free.	32-30									276 600	020	
Strip Permit No. 32-76, 79,87 Strip Permit No. 32-81	Clearfield Clearfield		30-24		ı			ı		1 E		470,890	7,356	
										Toral	-1"	784,047	14,014	3
Feles Coal Co., Inc. Strip Permit No. 612-4	Clearfield	Up. Freeport	28		1	,	,	,	,		1	157,710	1,783	,
Pike Coal Co.													1	
Strip Permit No. 430-30	Clearfield	Up. Freeport	24	ı	,		ı	,	ı	ı	ı	518,254	2,197	1
Ryan Brothers Coal Co.	0100064010	To Alla Free	06-30											
Strip Permit No. 31-10	Clearfield	Mid. Kitt.	16	1	1	,	,	,	,	1	ı	1	1	1
Strip Permit No. 31-12	Clearfield	Lo. & Up. Free.	26-30											
Shale Hill Coal Co.														
Strip Fermit No. 396-7, 13, 23, 23, 23	Clearfield	Lo. Kittanning	18									84,067	10,162	1
Strip Permit No. 598-9,														
10 & 19	Clearfield		30	1	,	,	,	,	1	ı	1	228,521	34,532	ı
Strip Permit No. 598-20	Clearfield	Up.&Lo. Kitt.	24										1 *	ı
Strip Permit No. 598-21	Clearfield	Up.&Lo. Kitt.	24								-	124,236	14,138	1
	Clearfield	Up.&Lo. Kitt.	22-25								_	,287,794	22,979	1
Strip Permit No. 598-29	Clearfield	Freeport	24							Total	-	778 320	83.961	1 1
Simca Mining. Inc.														
Strip Permit No. 529-7	Clearfield	Up.&Lo. Free.	28									51,870	2,074	
Strip Permit No. 529-11	Clearfield	Freeport	20		ı	ı		1	ı			237. 351	0 37%	1 1
Strip Permit No. 529-14	Clearfield	Up. Freeport	30							Total		286,221	11,448	

				l										
				Shaf	Kind of Opening	1 1 1	: Drift:		: Numb	Number and Type	Type :	Pounds	Pounds of Explosives Used	s Used
			Height:			••					••			Other
		Geological Name	Seam			••	:: :Ga	Gaseous or:		:Flame :Elec-:	Elec-:	Ammonium		Permis- sible
Operators and Mines	County	of Coal Bed	Inches	Depth	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	egrees:	Drift: No	ngaseou	s:Open:	Safety:	tric :		Dynamite	
Sky Haven Coal, Inc. Strip Permit No. 1812-21	Clearfield	Lo. Freeport	30	1			1		'		1	492,478	9,982	4
Strip Permit No. 278-21	Clearfield	Lo.&Up.Free.	28-20	1	,			,	1	,	1	248,968	ı	ı
Wasnington Hill Coal Co., Inc. Strip Permit No. 1885-1	Clearfield	Up. Kittanning	24	ı				ı	1	1			30,375	1
									Distric	District Total		34,184,440	1,006,523	462,110
J.														
# Pellite ## Slurry-P <b>P</b> Wetpack														
				Di	District 44									
Avery Coal Co., Inc. Strip Permit No. 584-5, 37 & 42	Clearfield	Brookville	14				,	,				ı	1	,
Strip Permit No. 584-31 Benjamin Coal Co.	Clearfield	Lo. Kittanning	22											
Strip Permit No. 64-126 Strip Permit No. 64-133	Clearfield	Lo. & Mid. Kitt.	21									294,230	4,090	
Strip Permit No. 64-156	Clearfield			1	1	1		,	1	,	,	62,050	860	,
Strip Permit No. 64-1/3 Strip Permit No. 64-193	Clearfield	Up. Freeport Up. Freeport	277							E	1.	585,515	8,130	
Bowman, W. C.			*							Toral	7	027,686	6/1/6/2	-
Strip Fermit No. 1148-1 Bradford Coal Co., Inc.	Clearineld	Mid. Kiff.	87	ı	ı			1	ı	ı	ı	7,825	0/7	
Strip Permit No. 61-26 Strip Permit No. 61-28	Clearfield	U., M., L. Kitt. U., M., L. Kitt.	8-36			,	,	1	1	- Total		186,771 747,086 933.857	33,253 186,771 220,024	
Brown Inc., Earl M. Strip Permit No. 104-21	Clearfield	Lo. Kittanning	24								1	2,160	140	
Strip Permit No. 104-25&A Strip Permit No. 104-26&A	Clearfield	Mid. Kittanning Clarion	30									867,951	10,655	
Strip Permit No. 104-28&A	Clearfield	Mid. & Up. Kitt.	20									114,301	1,433	1

			••	Ki	Kind of Opening			: Nu	Number and Type	Type			
				:Shaft:	Slope		: Drift:	La	Lamps Used		: Pounds of	Pounds of Explosives Used	Used
			Height:	••	••	••		••					Other
		Geological	of:	••	••	••							Permis-
		Name	Seam :	••		••	: Gaseo	:Gaseous or:	:Flame :Elec-:	:Elec-	: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches:	Depth:	ength: D	dgrees: L	<pre>Inches:Depth:Length:Ddgrees:Drift:Nongaseous:Open:Safety:tric :</pre>	seons:Obe	:Safety	:tric	Nitrate	Dynamite	(Name)
Brown, Inc., Earl M.	Closuffold	Mid Wittensing	αI								130 000	0.75	
Strip Dermit No 104-306.4	Clearfield		30	ı					1	ı	120,990	9/3	
State Downit No. 104-22	Clearing										000,40	750	
Strip retmit No. 104-33	Creatitera		000								30,848	339	ı
Strip rermit NO. 104-30	orearmera	MIG. & UP. NICE. 20-32	76-07						Total	·	4,6/1	16 130	
Bull Run Coal Co.									2		37213063	207,07	
Strip Permit No. 1164-4A1, 5,5A	A Clearfield	1	1	ı	,	,			ı	ı	ı		,
Coal Hill Contracting Co., Inc.													
Strip Permit No. 1470-2 Curtin Coal Co.	Clearfield	Mid. Kittanning	30	ı	ı	ı			1	ı	1		ı
Strip Permit No. 1616-1	Clearfield	Lo. Kittanning	32	1		1			1	ı	1	ı	,
Edgren Coal Co.													
Strip Permit No. 1489-1 Fahr Coal Co.	Clearfield	Lo. Kittanning	56		ı	ı			1	ı			ı
Strip Permit No. 1352-1	Clearfield	Mid. Kittanning	28	1	,	,			ı	ı	136,625	7,225	
Fleck Construction Co., G. C.													
Strip Permit No. 1677-1	Clearfield	Moshannon	42	ı		1	1		ı	ı	ı	ı	
Fran Contracting, Inc.	Closwfiold	Vitt /Droo	16-27								13 000	123	
Strip Permit No. 1073-7	Clearfield	Lo. Kitt.	27		ı				ı		236,000	718	
Gallagher Coal Co.									Total	-	249,000	851	
Strip Permit No. 371-1	Clearfield	Up. Freeport	36	1	,	,	1	1	ı	,	144,000	2,400	,
Greene Contracting, Richard D.													
Strip Permit No. 1188-1	Clearfield	Mid.&Up. Kitt.	30-18	ı	ı	ı			1	ı	199,000	2,250	
Strip Permit No. 533-1	Clearfield										,	ı	ı
Strip Permit No. 533-8	Clearfield										476,864	84,901	,
Strip Permit No. 533-9	Clearfield	U., M., L. Kitt.,											
		& Clarion	12-40	ı	ı				ı	ı	1 6	1 0	
Strip Fermit No. 533-11	Clearfield										103,320	18,395	ı
Strip Fermit No. 533-13	Clearileid										139,085	24,763	
	creatitera								Total	-	961.675	171,217	. .
Hanslovan Coal Co., Inc., Ed													
Strip Permit No. 1157-4	Clearfield	Clarion	28		ı			1	1	ı	1	35,600	ı

				Shaft:	Kind of Opening t: Slope	- 1	:Drift:	. Num	Number and Type Lamps Used	Туре	Pounds of	Pounds of Explosives Used	Used
		Geological	Height		•• ••	••							Other Permis-
Operators and Mines	County	Name of Coal Bed	Seam	Depth	Length: De	Sorees	Seam : : : : : : : : : : : : : : : : : : :	s or:	:Flame :Elec-:	Elec-	Ammonium	Dymamito	sible (Name)
Holland, Arden W.									1		1	D) name ce	(Marine)
Strip Permit No. 661-LA2 Jones Coal Co.	Clearfield	Mid. Kitt.	34		ı		1	1	ı	ı	150,920	3,150	
Strip Permit No. 667-3	Clearfield	Lo. Kitt.	20	1	1	1	1	1	1		1		,
K & J Coal Co., Inc. Strip Permit No. 56-35, 36.													
39, 45	Clearfield	Lo. Kittanning	19	,	,	,	1	1	•	,	351,325	0 9 50	30 250*
Kasubick Bros. Coal Co.													
Strip Permit No. 185-1 Lansberry Coal & Excavating Co.	Clearfield	Lo. Kittanning	20	ı	1			1	ı		10,250	885	1
Strip Permit No. 543-2	Clearfield	Mid. Kittanning	30		,	,	1	1	,	ı	128,208	533	
Long Coal Co., A. W.												)	
Strip Permit No. 663-1	Clearfield	Lo. Kittanning	18	1		1	1	1	1	ı		1	
M & M CONSTRUCTION CO. Strip Permit No. 1266-1A	Clearfield	Clarion	18	1	,						078 80	610	
McGovern Coal Co., Clair C.		0						1	ı	ı	0,00	010	
Strip Permit No. 440-3	Clearfield	Clarion	27			1	1	1	1	ı	44,700	1,875	
Penn Coal Co., Inc.													
Strip Fermit No. 607-8	Clearfield	Mid. Kitt.	24								407,600	18,300	,
	Clearifeld	Mercer	<del>5</del> 7								. ;		
Strip Permit No. 607-15	Clearifeld	Mid. Kitt.	576	ı			1	1	ı	ı	68,700	5,150	
	Clearfield	Io. Kitt.	57								000 988	15 700	
Strip Permit No. 607-18	Clearfield	Clarion	24								000,000	201,12	
Pike Coal Co.									Total	_	863,100	39,150	
Strip Permit No. 430-28	Clearfield	Mid. Kittanning	18								327 126	2 012	,
Strip Permit No. 430-29	Clearfield	Mid. Kittanning	20	ı	,		1	1	ı		56,764	465	
									Total	_	383,888	2,477	
Fower Operating Co., inc. Strin Permit No. 1858-7	0100064010		27									0	
Strip Permit No. 1858-10	Clearfield	Lo. Kittanning	30								428,505	3,352	
	Clearfield	Up. Kittanning	24							Ť		8,220	,
No.	Clearfield	-	57							-ï		11,453	ı
	Clearfield	& Mid.	24	ı			1	1	ı	'		6,482	
Strip Permit No. 1858-21	Clearfield	Up. & Mid. Kitt.	24							Ť	136,475	1,538	
	Clearfield		20								340,780	3,078	

				. Ki	Kind of Opening	1 1	Drift:		Number and	Number and Type		Pounds of Evnlosives Used	to lland
			Hotober								councy.	or representation	0.000
		Geological	of			• ••							Dermis-
		Name	Seam			• ••	: Gas	: Gaseous or:		:Flame :Elec-:	lec-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: D	egrees:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	ngaseous	Open:S	afety:t	ic: Nitrate	Dynamite	(Name)
Power Operating Co., Inc. (continued)	nued)	Ho Freenort											
מרוזה ופווודר יוסי זיסיסיסי	3	100001								Total	5,368,057	46,481	
Reese, Jr., Oliver P.	11.13.00.10	777	ć										
Reese Brothers	רופקו וופדה	HIM. NICL.	<b>†</b> 7		1	ı		ı	ı	1		1	1
Strip Permit No. 539-2A	Clearfield	Clarion	15								2,130	1,667	3,100**
Strip Permit No. 539-3	Clearfield	Lo. Kitt.	24								13,000	130	, '
Strip Permit No. 539-7A	Clearfield	Lo. Kitt.	24	ı					ı		240,112	1,928	2,462**
Strip Permit No. 539-8	Clearfield	Clarion	1								1		
Strip Permit No. 539-10	Clearfield	Mercer	ı							1	1,654	99 201	0,00
7										local	060,062	3,791	2,362
Koy Coar Co., Inc. Strin Permit No 113-4	Clearfield	Mid. Kittanning	15-30	ı	,				,		33.000	700	1,100#
Stott Coal Co., Inc., James M.	3	0										)	
Strip Permit No. 278-16A2	Clearfield	Mid. Kittanning	26								156,047	ı	,
Strip Permit No. 278-16A2	Clearfield	Mid. Kittanning	27								36,000	231	,
Strip Permit No. 278-17A	Clearfield	Up. & Mid. Kitt.	18								462,152		1
Strip Permit No. 278-19	Clearfield	Mid. Kitt.	25								516,600	6,250	
Strip Permit No. 278-20	Clearfield	Mid. Kitt., Rider											
		Up. Kittanning	30							Total	1 669 707	6 7.81	
000 000 000 000 000 000 000 000 000 00										IOCAL	1,007,104	0,401	
Strip Permit No. 1638-8	Clearfield	Lo. Kittanning	18	ı	ı		,		ı			1	
T. & T. Clay Co.	Closefiold	In Kittanning	28						,		22 450	1.065	,
Thompson Bros. Coal Co., Inc.	5	Quitalina and a contraction of the contraction of t	2								61		
Strip Permit No. 127-8	Clearfield		26								372,000	16,450	
Strip Permit No. 127-12	Clearfield		24					,			892,119	62,807	ı
Strip Fermit No. 12/-13	Clearileid	LO. Kittanning	47							Total	1.741,560	98,233	
Thompson Coal Co., Inc., John A.													
Strip Permit No. 492-1	Clearfield	Lo. Kittanning	18	1	ı	ı		1			. 573,090	9,536	ı
Strip Permit No. 1576-1	Clearfield	Mid. Kittanning	8-24	1	1	1		1	ı		- 290,256	10,964	
Waring Coal & Clay Co.													
Strip Permit No. 1472-1	Clearfield	Clarion	18	ı		1		ı	ı	1			
								Ö	District Total	Total	17,965,005	719,523	38,912
* Slurry ** Slurrar	Slurran 800, Detagel	# Slurmite											

				: Ki	o pu	- 1			: Number and Type	and Typ			
				:Shaft:	Slope		:Drift:	'	Lamps Used	sed	: Pounds o	Pounds of Explosives Used	ss Used
			Height:		••			••					Other
		Geological	οĘ					••					Permis-
	,	Name	Seam		••		: Gase	Gaseous or:	:Flan	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: D	egrees:D	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	aseons:0	pen:Safe	ty:tri	c : Nitrate	Dynamite	(Name)
Benjamin Coal Co.													
Strip Permit No. 64-128	Clearfield	Lo. & Mid. Kitt.	25								1.010.350	14.030	•
Strip Permit No. 64-136	Clearfield	Lo. Kittanning	56										,
Strip Permit No. 64-149	Clearfield		29	,	,					١	128 340	1 780	
Strip Permit No. 64-149A2&3	Clearfield		30								187.720	36,620	ı
Strip Permit No. 64-150	Clearfield		29								385,725	5 360	
			ì						Ē	Total	709 185	57 790	
Bison Coal Co., Inc.									4	4	13/07/12	21312	
Strip Permit No. 1942-1 & 1A	Clearfield	Up. Kittanning	38	,						1	,	,	1
Bitumco Mining Co., Inc.													
Strip Permit No. 1819-1 & 1A	Clearfield	Lo. Freeport	28						'	•	,	1	1
Cardinal Coal & Contracting Co.			,										
Strip Permit No. 1649-LA	Clearfield	Up. Kittanning	14								114,255	8,478	
Strip Permit No. 1649-2A	Clearfield	Up. &Mid. Kitt.	16	,	ı					ı	•	1	1
Strip Permit No. 1649-3	Clearfield		ı									-	
									Ţ	Total	114,255	8,478	1
Clearfield Limestone Corp.													
Strip Permit No. 258-5 & 6	Clearfield	Lo. &Mid. Kitt.	34		ı					ı	221,200	6,050	ı
Crissman, Inc., James T.													
Strip Permit No. 1456-2		Lo. Kitt.	28							1	23,025	1,785	5,070
Edmunds Contracting & Supply Co.,	-												
Strip Permit No. 532-7 & 8	Clearfield	Up. Kittanning	22						'	1	446,568	17,284	31,715*
Stilp refuit NO: 332-9	Clearineld	Lo.owld. Kitt.	7.7						É	104	219,951	8,512	15,620
Glen Irvan Corp.									7	Incal	0000 012	62,190	16 860**
Strin Permit No 671=3	Closeffold	Iln Vittenning	33								020 272		17, 500%
Strip Permit No. 671-15	Cleariteid	The Vitterning	30						•	1	343,930		10,000
Of the country of the	oreal treat		70								420,003		9.100
									To	Total	966,015	-	51,465
H D L Coal Co.													
Strip Permit No. 1762-1	Clearfield	L. FreeU.Kitt.	25		,				1	1	34,182	2,190	1
Hamilton Contracting Co., Al													
Strip Permit No. 533-6	Clearfield	U.,M.,L. Kitt.	12-40								369,569	65,798	1
Strip Permit No. 533-12	Clearfield		12-40		ı							1	1
Strip Permit No. 533-14	Clearfield	U.,M.,L. Kitt.	12-40								174,850	31,130	1
Special Project No. 642	Clearfield											-	
									To	Total	544,419	96,928	1
Hartman Contractor, Warren C.													
Strip Permit No. 1737-4	Clearfield	Up. & Lo. Free.	18-36							1		ı	1

				: Ki	Kind of Opening	1			Number	Number and Type			
				:Shaft:	Slope		Drift:	1	Lamps Used	Used	: Pounc	Pounds of Explosives Used	ves Used
			Height										Other
		Geological	Jo					••			••		Permis-
		Name	Seam				: Gase	Gaseous or:	: F1	:Flame :Elec-:	••		
Operators and Mines	County	of Coal Bed	Inches	:Depth:	Length: De	grees:	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	aseons:0	pen:Sa	fety:tr	ic : Nitrate	te Dynamite	te (Name)
Hill Coal Co.													
Strip Permit No. 1836-1	Clearfield	Up. Kitt.	30										
Strip Permit No. 1836-2	Clearfield	Mid. Kitt.	15	•	ı	1					1		•
Strip Permit No. 1836-4	Clearfield	Up.&Mid. Kitt.	36-20										
Jefferson-Clearfield Coal Co., Inc.	.01												
Special Project No. 490	Clearfield	Mid.&Lo.Kitt.	36-18	1	1								
Johnson & Morgan		U.,M.,L. Kitt.											
Strip Permit No. 490-10	Clearfield	Lo. Freeport	24	,		,					145,027	1,963	1
		Clarion											
		Mercer											
K & J Coal Co., Inc.													-
Strin Permit No. 56-45.													8,945##
52 & 53	Clearfield	Up. &Lo. Free.	36	,	1					1,	652,486	•	6,310**
McDonald Land & Mining Co. The		•											
State Downit No. 650-7	Clearfield	II Kitt Al. Free	30-40								483,613	8,736	59,685
Still reimit NO. 03/-/	Clearfield	IIn &Lo Free	26-38								195,980		27,460
Serip Fermic NO. 039=0	Olean Liche	op. The	2										
Strip Permit No. 659-10	Cleartield	U.L.Free. &		,	,		·			'	250 037	7 07/	10 056
		U. Kittanning 28-26-26	3-26-26	1							256,034	7,0/4	19,930
Strip Permit No. 659-14	Clearfield	Lo. Kittanning	24							Total	1,043,687	22,287	133,806
Manhaman Balla Mining Co. Inc.													
Ctvin Downit No 5-2 3 K. 6	Clearfield	I. M. AII. Kitt.	8-32	,	,						1	1	1
Shawrille Coal Co.	3		)										
Strip Permit No. 30-18	Clearfield	Up. Kitt.	30								644,160	3,100	
Strip Permit No. 30-19	Clearfield	Lo. Kitt.	30								1	1	1
Strip Permit No. 30-30	Clearfield	Lo. Kitt.	30								115,670	2,725	
Strip Permit No. 30-36	Clearfield	U.M.L. Kitt.	28	,		1				'	30,125	750	1
Strip Permit No. 30-42	Clearfield	Lo. Kittanning	31								ı	•	
Strip Permit No. 30-46	Clearfield	U.M.L. Kitt.	29								16,500	20	•
Strin Permit No. 30=50	Clearfield	U.M.L. Kitt.	30								249,250	8,825	1
Strip leimit NO. 30-53	0102464010	Virtanning	29								122,770	1,050	,
strip remit NO. 30-33	Orealiteta	Wire committee	ì							Tota1	1,178,475	16,500	1
Simca Mining, Inc. Strip Permit No. 529-12	Clearfield	Lo. Freeport	23	,	1					1	1,020,751	56,816	,
	,												

Conclosing   Control   C					Shaf	nd of (	Kind of Opening t: Slope	:Drift:		: Lamp	Number and Type Lamps Used		Pounds of Explosives Used	es Used
County				Height										Other
County   Of Coal Bed   Inches:Depth:Langth:Degrees:Drift:Nongaseous:Open:Safety:tric: Nitrate   Dynamice   Clearfield   Lo. Kitt.   30   10. Kitt.   30   30   30   30   30   30   30   3			Geological Name	Seam				::	aseous o		: Flame :El			Permis- sible
Clearfield   Lo. Kitt.   32   13,032   13,032   13,032   13,044   14,003   10,000		County		Inches	Depth:	Length:	Degrees	:Drift:	ongaseon	s:Open:	Safety:tr		Dynamit	
Clearfield			4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ć								000	200	11000
Clearfield   Do. Kitt:   30   13,445   13,445   14,455		Clearifeld	Lo. Kitt.	35								2/0,086	33,032	90,200%
Clearfield   Lo. & Hd. Kitt.   32     784,773   13,745   Clearfield   Lo. & Treeport   28     294,257   303,221     294,257   303,221     294,257   303,221     294,257   303,221		Clearfield	Lo. Kitt.	30								18,115	641	5,700**
Clearfield   Lo. Freeport   30   294,255   5,257     Clearfield   Lo. Kittanning   28   294,255   5,257     Clearfield   Lo. Kittanning   28   294,255   5,257     Clearfield   Lo. Kittanning   24   29,241,106   64,264     Clearfield   Lo. Kittanning   24   29,20     Clearfield   Lo. Freeport   20,22,30     Clearfield   Lo. Freeport   20,22,30     Clearfield   Lo. Freeport   24   29,30     Clearfield   Lo. Freeport   24,28   29,30     Clearfield   Lo. Freeport   24,28   29,30     Clearfield   Lo. Freeport   28   29,30     Clearfield   Lo. Freeport   29,30		Clearfield	To SMid Kitt.	3.5								784 703	13 745	106 845**
Clearfield   Lo. Kittanning   28   303,221   7,289	iω	Clearfield	Lo. Freebort	30	ı	ı	ı	ŧ		ı	1	294,255	8,257	31,830**
Clearfield   Free. & Kitt.   26   20   20   20   20   20   20   20	7	Clearfield	Lo. Kittanning	28								303,221	7,289	41,440**
Clearfield Free. & Kitt.   26	. 2	Clearfield	Lo. & Up. Free.	20										. 1
Clearfield   Up. Freeport   32   -	0	Clearfield	Free. & Kitt.	26							Total	50,740	1,300	5,130**
Clearfield   Up. Freeport   32     -   -   -	Corp.	10,1940010	,						1	1				
Clearfield   Up. Freeport   32   -	4	oreal rear	ı	ı		ı		ı					ı	ı
Clearfield   Middle Kittanning   24	ιŲ	Clearfield	Up. Freeport	32	ı	ı	ı	t	t	١		ı	,	•
Clearfield   Lo. Kittanning   24   1905   1,														
Clearfield   Mid.sto. Kitt.   29-20   24-19   265,739   5,789   265,739   5,789   265,739   5,789   265,739   5,789   265,739   5,789   265,739   5,789   265,739   5,789   265,739   2,789   2,200-24   2,200-	4	Clearfield	Lo. Kittanning Middle Kittannin	- 1								700	1,905	13,750
Clearfield Mid.&Lo. Kitt. 29-20   Clearfield Mid.&Lo. Kitt. 20-20-24   Clearfield U.M.L.Kitt. 20-20-24   Clearfield U.M.L.Kitt. 20-20-24   Clearfield U.M.L.Kitt. 20-20-24   Clearfield Lo. Kittamning 24			Luthersburg	24-19									ı	ı
Clearfield   U.M.L. Kitt. 20-20-24   Clearfield   U.M.L. Kitt. 20-20-24   Clearfield   U.M.L. Kitt. 20-20-24   Clearfield   U.P. & Mid. Kitt. 30-24   Luthersburg   Lathersburg   Lath	9	Clearfield	Mid.&Lo. Kitt.	29-20								265,739	5,789	43,695
Clearfield   Up. & Mid. Kitt. 30-24   Clearfield   Up. & Mid. Kitt. 30-24   Clearfield   Up. & Mid. Kitt. 30-24   Clearfield   Lo. Kittenning   24   Clearfield   Lo. Kittenning   Lo. Kittenni	6	Clearfield										8,920	420	1,050
Luthersburg   Luthersburg	2	Clearfield	Up. & Mid. Kitt.	30-									,	1
Clearfield   Lo. Kitcanning   24     -   -   -   -   -   -			Luthersburg	54								229,096	8,134	53,670
Clearfield   Lo. Kittenning   24   62,310   12,843     Clearfield   Mid.&Lo.Kitt,   32-27     Clearfield   Mid.&Lo.Kitt,   32-27     Clearfield   Mid.&Lo.Kitt,   20-22-30     Clearfield   Lo. Free, & 24   24,132     Clearfield   Lo. Freeport   24     600   1,000     Clearfield   Lo. Freeport   28     292,391   3,712     Clearfield   Lo. & Up. Free   24-28     292,391   3,712     Clearfield   Lo. & Up. Free   24-28     380,712   4,532     Clearfield   Lo. & Up. Free   24-28     380,716   8,232     Clearfield   Lo. & Up. Free   24-28     292,391   3,712     Clearfield   Lo. & Up. Free   24-28     292,391   3,712     Clearfield   Lo. & Up. Free   24-28     4,532     Clearfield   Lo. & Up. Free   24-28     4,532     Clearfield   Lo. & Up. Free   24-28     4,532     Clearfield   Lo. & Up. Free   24-28			Lo. Freeport	48		ı	ı	1	1	,	1		1	ŧ
Clearfield Mid. Alo. Kitch Mid	1 t	Clearifeld		77								62 310	12 8/3	50 503
Clearfield   Lo. Freeport   12   254,135   6,455   6,455   Clearfield   Lo. Kittamning   20   20   20   20   20   20   20   2	~ 80	Clearfield	Mid.&Lo.Kitt.	32-27								375,947	9,537	91,975
Clearfield Lo. Free, & 22   22   22   22   22   22   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195   0,455   234,195	0	Clearfield	Lo. Freeport	1.2								21,720	300	720
Clearfield Lo. Freeport 24 600 1,000  Clearfield Lo. & Up. Free 24-28 292,391 3,712  Clearfield Lo. & Up. Free 24-28 292,391 3,712  Total 380,116 8,232	_	Clearfield	Free. &	22								774,195	0,433	42,030
Clearfield Lo. Freeport 24 600 1,000  Clearfield Up. Freeport 28 292,391 3,712  Clearfield Lo. & Up. Free. 24-28 292,391 3,722  Clearfield Lo. & Up. Free 24-28 292,391 3,722				05-77-										
Clearfield Lo. Freeport 24 292,391  Clearfield Up. Free 24-28 292,391  Total 380,116	m	Clearfield	Lo. Kittanning	20							Total	1,218,627	45,383	306,420
Clearfield Up. Freeport 28 292,391 Clearfield Lo. & Up. Free. 24-28 292,391 Total 380,116	2&7	Clearfield	Lo. Freeport	24	,	1	,		ı	ı		009	1,000	
A Clearfield Up. Freeport 28 292,391 Clearfield Lo. & Up. Free. 24-28 87,725 Total 380,116														
Creatifeld Lo. & Op. Free. 24-20	.2A	Clearfield		28		,	ı	,		٠	ı	292,391	3,712	
	?	Clearileid		07-47							Total	380,116	8,232	ı

415,462 845,546

District Total 11,959,675

				Kind	Kind of Opening	: gu		Numbe	Number and Type	pe :			
		Geological	Height:	Shaft:	Slope	Drift	200000000000000000000000000000000000000	Lam	ps Used	4	Pounds of	Pounds of Explosives Used Other	Used Other Permis-
Operators and Mines	County	of Coal Bed	Inches:	Depth: Le	ngth: Degr	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	ongaseous	Open: S	afety: tr		Nitrate	Dynamite	(Name)
* Prestex ** Slurry # Pellite HD ## Cast & Power Primers													
				Dist	District 45A								
Becker, Jr., Blake I. Strip Permit No. 1367-7 & 9 Strip Permit No. 1367-13	Clearfield Clearfield	L. Free., U.Kitt.	36		1						1		1
Benjamin Coal Co. Strip Permit No. 64-84 Strip Permit No. 64-101C	Clearfield Clearfield	Lo. Kittanning L.M.&U. Kitt.	26 22 23.			,				386,	386,875 399,460 903,990	5,370	
Strip Permit No. 64-161 Strip Permit No. 64-202	Clearfield Clearfield	Low Kitt.	24 26	ı		ı			£	72,560	72,560	2,665	
Compass Coal Co., Inc. Strip Permit No. 33-12	Clearfield	Lo. Kittanning	36		1	•	•	1	ו	- 227,	227,340	1,721	t
Strip Permit No. 1940-LC Strip Permit No. 1940-LC Strip Permit No. 1940-2	Clearfield Clearfield	Clarion Lo. Freeport	15-18 20-26		1		t	ı			1	ı	ŧ
Glen irvan Corp. Strip Permit No. 671-2 Strip Permit No. 671-14	Clearfield Clearfield	Lo. Kittanning Lo. Kittanning	28 27	ı	1	1	1	,		- 75,	75,175	1 1	1,204**
H. A. Enterprises, Inc. Strip Permit No. 1810-1	Clearfield	Up. Kittanning	28	ı	1				Total	75,	3,350	1 1	3,744 5,237**
Harbison-Walker Refractories Strip Permit No. 266-8 Strip Permit No. 266-12 & 12A	Clearfield Clearfield	Brookville Brookville	18	1	t	1		,					1000
Hatten Mining Co. Strip Permit No. 1849-16A	Clearfield	Brookville	28	ı	ı	ı	ı	ı	,	- 17,	17,150	915	1
Hepburnia Coal Co. Strip Permit No. 14-41	Clearfield	Up. & Lo. Free.	22									ŧ	,

District 45A

				17.7	9 - 1			,					
				Shaft:	t: Slope	.Drift:		: Lam	Lamps Used	Type :	Pounds of	Pounds of Explosives Used	Used
		Geological	Height:										Other Permis-
		Name	Seam				:Gaseous or:		:Flame :Elec-:	Elec-:	Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches	Depth: I	ength:Deg	rees:Drift	Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric	is:Open:	Safety:	tric:	Nitrate	Dynamite	(Name)
Hepburnia Coal Co. (continued) Strip Permit No. 14-48, 48A													
& 48A2	Clearfield	Up. Freeport	24								,	,	,
Strip Permit No. 14-55	Clearfield		24							1,1	1,043,614	11.923	ı
Strip Permit No. 14-60	Clearfield		22		1	ı	ı	ı	ı		21,130	607	1
Strip Permit No. 14-61	Clearfield		15								219,576	7,322	1
Strip Permit No. 14-63	Clearfield	Up. Kittanning	18								25,431	4,345	ı
Jefferson-Clearfield Coal Co., Inc	ů												
Strip Permit No. 1777-5	Clearfield	Lo. Kittanning	18	,	1	ı	ı	ı	ı	ı	ı	1	ı
Jeffrey B Coal Co., Inc.													
Strip Permit No. 1678-1	Clearfield	Lo. Kittanning	22	,		ı	ı	ı	ı	1	ı	ı	
Strin Permit No. 1748-2	Clearfield	Mid Vittenning	30								000	100	
New Shawmut Mining Co.	3	ura. Mrccailling	2		1	ı	•		,		000,00	100	ı
Strip Permit No. 196-16	Clearfield	Lo. Kittannine	36								16 200	3 190	,
Auger-BAM-867	Clearfield	Lo. Kittanning	36	ı	1	ı	1	ı	ı	ı	007,01	0,100	
		0	)						Total	1	16.200	3.190	
North American Refractories Co.										1			
Strip Permit No. 800-4	Clearfield	Brookv111e	28	,		ı	ı	1	,	,	400	81	1
P & N Coal Co., Inc.													
Strip Permit No. 32-96	Clearfield	Lo. Kittanning	28	1		•	•	ı	ı	,	674,384	5,200	,
rentz coal co., Inc.													
Strip Permit No. 1521-1 Sadoti, Nick J.	Clearfield	U.Kitt.&Lo.Free.	24-20			1					ı		
Strip Permit No. 1584-1 & 2	Clearfield	Lo.&Mid. Kitt.	20	ı	1	•	•	ı	ı	,	280,000	12,000	1
Strip Permit No. 30-44	Clearfield	II M KI. Kitet	38			ı	1				373 335	16 685	
Sky Haven Coal, Inc.		ordinate Marce	0 4	,	1	ı	1	1	1	,	777,777	70,00	ı
Strip Permit No. 1812-5	Clearfield	Lo. Kittanning	30								183,440	8.275	22,805*
Strip Permit No. 1812-16	Clearfield	Lo. Kittanning	32								211,230	15,825	76,150*
Strip Permit No. 1812-20	Clearfield	U.L.M. Kitt.	28		1	1	ı	ı	ı	1	386,565	_	133,620*
Strip Permit No. 1812-36	Clearfield	Lo. &Mid. Kitt.	28								. '		, '
									Total	. 1	781,235	42,930 2	232,575
Strisnock Coal Co. Strip Permit No. 214-13	Clearfield	Lo. & Mid. Kitt.	24	ı		ı	•	ı	1	1	237.214	2.087	ı
Van Leer Coal Co.													
Strip Permit No. 1822-1	Clearfield	Up. Kittanning	20	ı		•		ı	ı		81,250	2,750	-

District Total 6,091,877 139,076 241,886

** Slurry ** Slurry ** Slurry ** Pellite HD  ** Resco  Avery Coal Co., Inc.  \$\&\xi\$ 384-9 \$\xi\$ Permit No. 584-25,35 \$\xi\$ 124 Permit No. 584-25,35 \$\xi\$ 124 Permit No. 584-30 \$\xi\$ 124 Permit No. 584-36 \$\xi\$ 124 Permit No. 584-36 \$\xi\$ 124 Permit No. 64-2 \$\xi\$ 124 Permit No. 864-4 \$\xi\$ 124 Permit No. 864-4 \$\xi\$ 124 Permit No. 864-4 \$\xi\$ 124 Permit No. 864-4 \$\xi\$ 124 Permit No. 1357-3 \$\xi\$ 124 Permit No. 1357-3 \$\xi\$ 124 Permit No. 1357-3 \$\xi\$ 124 Permit No. 524-2 & 3 \$\xi\$ 124 Permit No. 624-3 \$\xi\$	Geological Name									-		Orbei	
Pellite HD  Resco  ry Coal Co., Inc. Strip Permit No. 584-9 Strip Permit No. 584-25,35 & 38 Strip Permit No. 584-30 Strip Permit No. 584-30 Strip Permit No. 884-3 Strip Permit No. 884-3 Strip Permit No. 884-3 Strip Permit No. 884-3 Strip Permit No. 864-4 Strip Permit No. 864-4 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3 Strip Permit No. 1357-3	of Coal Bed		gnt: n :es:Dept	h: Lengt	: Degree	s:Drift:	Gaseous or: Nongaseous:	or:	of : : : : : : : : : : : : : : : : : : :		Ammonium	Dynamite	Other Permis- sible (Name)
884-9 584-25,35 584-30 584-36 60-2 60-2 60-3 60-3 60-3 60-1 60-1 60-2 60-1 60-2 60-3 60													
884-9 884-25,35 884-30 584-36 60-2 60-2 60-3 60-3 60-4 1357-3 60-7 60-1				District 46	94								
۳ ع م	n Brookville	e	36									ı	
ო ფ	n Mercer n Mercer n Brookville	466	48 30 - 36	1	ı	1	•	1		600,000	000	18,000	1 1 1
۳ « «									Total	000 009	000	18,000	
3 8	n Brookville	e e	32 -	1	1		1	'		34,000	000	950	
3 3		· E1	32						Total	280,000	0000	5,000	
<sub>3</sub>	Mid. Kittanning	ning 18-42	2 -	1	1	1	ı	1	1	- 124,824	824	1,974	
	n Brookville	9	30 -	•	٠	1	1	•	1	- 220,000	000	3,500	ı
Jones & bragge Mining Co.	ng Bloss	3	36 -	1	1	ı	ı	1	,	- 907,900	006	90,070	ı
	ng Bloss	2	80							470,983	983	4,914	1
Strip Permit No. 7-25 Tioga	Morgan-Cannel		30							1,825,341	341	3,394	1
Strip Permit No. 7-39 Lycoming		2 0	> co							249,382	382	3,115	
7-31		3	2 -	1	ı	ı		ı		- 68,550	550	171	1
7-34	Bloss	9	30							31,100	100	196	1
Strip Permit No. 7-41 Tioga	Bloss	n en	30							104,856	856	583	
P & M Coal Co. Strip Permit No. 1477-2 Tloga	Mid. Kitt.	18-42	2 -	1	ı	1	•	1	Total	4,219,/18	4,176	978,978	

				: Kir	Kind of Opening	ning :Drift	- L	. Nu	: Number and Type		unds of	Pounds of Explosives Head	IIsed
		Coological	Height:										Other
		Name	Seam		!		:Gaseous or:	s or:	:Flame :Elec-:		Ammonium		rermis- sible
Operators and Mines	County	or Coal Bed	Inches:	Depth: I	ength: De	grees: Dri	tt:Nongas	eons:Obe	<pre>Inches:Depth:Length:Degrees:Dritt:Nongaseous:Open:Safety:tric</pre>		Nitrate	Dynamite	(Name)
Quinn Coal & Clay Mines Strip Permit No. 530-1, 3&5 River Hill Coal Co. Inc.	Clinton	Mid. Kittanning	30	,			ı	1	1	'		29,100	
Strip Permit No. 20-46 Shawville Coal Co.	Clinton	Lo. Kittanning	29-14	1		1	1	1		- 380,000	00	ı	1
Strip Permit No. 30-43 Strip Permit No. 30-51	Clinton	Lo. Kittanning Lo. Kittanning	26 36	1		1	1	'	1 E	109,844	777	82,375	
								Distr	District Total	7,104,462		254,513	
				Dist	District 47								
AME Enterprises, Inc.	Closeffically	I V4fftered	o c								G		
Special Project No. 680 Special Project No. 690	Clearfield	Lo. Kittanning Lo. Kittanning	26 42		1		ı	ı	1	43,000	90		1 1
Anderson Creek Coal & Clav Co.		0	!						Total	82,700	00		
Strip Permit No. 547-46A	Clearfield	Brookville Clarion	42				1	1	,	- 186,268	89	17,735	
Cambria Coal Co.		Lo. Kittanning	84										
Strip Permit No. 1206-9	Clearfield	Up. Freeport	24		1	1	1	1	1	- 1,130,701	01	5,185	1
Strip Permit No. 134-7	Clearfield	Mid.&Up. Kitt.	28							415,930		28,781	
Strip Permit No. 134-23 Strip Permit No. 134-38 & 39	Centre	Brookville Brookville	28 28	1		1	ı	1	1	_ 1,107,885 972.190		109,795 33.081	1 1
Strip Permit No. 134-40	Clearfield	Up. & Mid. Kitt. 12-22	12-22						E	122,800	00	3,195	-
Flango Bros. Coal, Inc. Strip Permit No. 161-15	Clearfield	Lo. & Up. Free.	24			'	1	1	local	76 300		7 315	
Halfway Coalyard, Inc. Strin Permit No. 1276-1 2		4											
3, 7 & 8 Strin Permit No 1276-4	Centre	Brookville In Vittonning	30							3,715,752)		139,104)	1
Strip Permit No. 1276-5	Centre	Brookville	30				1	1	1019	2,769,422		64,229	
									1 1 1 1 1		İ	200600	

				Kind	Kind of Opening	18		: Number and Type	Type :	Pounds	Dounds of Fynlosives Heed	Ilsed
			Height:	Ollarc.	37076							Other
		Geological	of	••								Permis-
		Name	Seam	••			:Gaseous or:	or: :Flame	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	Depth: Le	ngth: Degr	es:Drift:	Nongaseo	<pre>Inches:Depth:Length:Degrees:Drift:Nongaseous:Open:Safety:tric :</pre>	tric:	Nitrate	Dynamite	(Name)
River Hill Coal Co., Inc.	;											
Strip Permit No. 20-29	Clearfield	Mid.&Up. Kitt.	30-22							236,000		
Strip Permit No. 20-33	Clearfield	Mid.&Up. Kitt.	28-22							77,000	1	1
Strip Permit No. 20-42	Centre	L. Kitt. &										
		Brookville	20-24							140,300	•	,
Strin Permit No. 20=47	Clearfield	Mid & Un Kitt								30 000	•	
Strip leimte NO: 20-47	Clearifica	Motorior								000	ı	
Strip retmit No. 20-40	Clearing	Mosnannon	000			•				000,000		
Strip Permit No. 20-50	Clearfield	Mid.& Up. Kitt.	28-22							108,000	•	•
Strip Permit No. 20-73	Clearfield	Mid. & Up. Kitt.										
		& Moshannon 28-22-32	-22-32							258,000		
Strip Permit No. 20-76	Clearfield	. Kiti										
	;	& Rider 36	36-20-12							58,000	1	
Strip Permit No. 20-77	Clearfield	Mid.& Up. Kitt. 30-22	30-22						,	83,913		
								Total		994,213	-	
Somerset Mines, Inc.		-	ć									
Strip Permit No. 1971-1	Centre	Clarion	32				ı				ı	
Scott coal co., inc., James M.		D 1 - 2 1 1 1 - 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	70 00							010 033		
Tooton Coal Co Tobs E	Centre	B.VILLECL.KICC.	32-34		1 0	ı	4	•		217,600		
Strip Permit No. 147-6	Clearfield	Mid. Kitt.	76									
Ctuth Downth No 1/7-0	Closefiold	To Vittonsing	0									
Strip Dermit No. 147-10	Clearfield	Mid Wittenning	30	1	1	ı	1				1	
or the continue drive	סובמוודבות	וודמי וודררמווודווף	3						1			
								District Total		20,719,056 1	1,502,150	10,392
									t.			
* Tovex												
** Primers												
				Distr	District 49							
Brown, Inc., Earl M.												
Strip Permit No. 104-36	Elk	& Mid.								1 1	1 -	
Strip Fermit No. 104-3/	81k	Lo. & Mid. Kitt.	36 36		1	•	•			2,549	- 1/9	
Auger-BAM-978	Elk	& Mid.									•	,
								Total	11	2,549	179	

				Shaft:	Kind of Opening		:Drift:		Number and	Number and Type :		Dounds of Evnlosiums Hood	Trod
			Height:					.'			Togring of	EAPTOSTVES	Othor
		Geological	of										Permis-
		Name	Seam		•- !		: Gase	:Gaseous or:	:F1	:Flame :Elec-:			sible
Operators and Mines	County	of Coal Bed	Inches	Depth: I	ength: Do	grees:D	<pre>Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric</pre>	aseons:C	pen:Sa	Fety: tric	: Nitrate	Dynamite	(Name)
Doan Coal Co. Strip Permit No. 154-9	E1k -												
	Jefferson	Up.&Lo. Free.	36-26								14,083	361	
Strip Permit No. 154-11 Strip Permit No. 154-12	E1K E1k	Up.&Lo. Free.	36-26			ı	ı	ı			161,957	4,152	
0 000										Total	176,040	4,513	.
ELCO COMI CO. Strip Permit No. 1676-2	E1k	Brookville	32		,	1		,		1	52,146	,	
Esquire Fuel Co.	i	1											
Strip Permit No. 253-/	EIK	Up. & Lo. Free. Mid. Kittanning	24-40								9.100		٠
Strip Permit No. 263-9A	Elk	Mid. Kittanning	22		1	ı		ı			38,800		
Fairview Coal Co., Inc.										Total	47,900		-
Strip Permit No. 1244-4	E1k	Up. Freeport	30										
Strip Permit No. 1244-5	Elk	Up. Freeport	29						,	1	•	,	1
Strip Permit No. 1244-7	Elk	Up.&Lo. Free.	16-29										
Auger-BAM-727	E1k	Up. Freeport	30										
Fran Contracting, Inc. Strip Permit No. 1073-13	E1k	Up. Kittanning	30		ı					'	7 421	185	
Glen Irvan Corp.											1110		2.040*
Strip Permit No. 671-9	E1k	Lo. Kittanning	31	,	,					1	41,300	ı	4,000**
Strip Permit No. 671-10	E1k	Mid. & Lo. Kitt.	31							E + C	2,550		1,475**
Gurosik Coal Co., Inc.										10191	000101		3,540*
Strip Permit No. 1933-1 Hepburnia Coal Co.	Elk	Lo. & Mid. Kitt. 26-28	26-28	r'	,				ı		46,200	1,339	3,790**
Strip Permit No. 14-64	E1k	Up. & Lo. Freeport	rt 24	,	•	,			,		84,359	724	ı
Strip Permit No. 14-70	E1k	Up. Kittanning	36							Total	213,788	1,766	
Huff, Ronald F.										4 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		200	
Strip Permit No. 1791-1 Ingram Coal Co.	Elk	Lo.&Up. Kitt.	38-14		ı		1	ı		1	32,400		655**
Strip Permit No. 1476-5	Elk	Brookville & Lo. Kittanning	30	ı	1					1	2,110	260	,
Keecn Coal Co. Strip Permit No. 1793-1	E1k	Up. Kittanning	16-18			,						1	,

			••	Ki	Kind of Opening	pening	••		: Numb	Number and Type	e :		
			••	:Shaft:	Slope	be.	: Drift:		: Lamp	Lamps Used		Pounds of Explosives Used	Used
			Height:	••	••								Other
		Geological	of :	••									Permis-
		Name	Seam :	••	••		9:	: Gaseous or:	 	:Flame :Elec-:	c-: Ammonium		sible
Operators and Mines	County	of Coal Bed	Inches:	Depth:	ength:	Degrees	:Drift:N	ongaseon	s:Open:	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety; tric		Dynamite	(Name)
New Shawmut Mining Co.													
Strip Permit No. 196-12A P & N Coal Co., Inc.	EIK	Up. Freeport	30	1	1	1	ı	1	1	1	226,540	12,175	
Strip Permit Nos. 32-74 & 92	E1k	Up. Kittanning &											
00 00 00 mm m m m m m m m m m m m m m m		Lo. Freeport	22-36	,	1	,	1	1	,	1	505,190	3,487	1
Serip Fermic Nos. 32-42, 02, 68, 84, 97 & 102	E1k	Mid.&Lo. Kitt.	26-36								487,849	3,841	1
R & R Coal Co.										Total	660, 666	7,328	1
Strip Permit No. 135-13	E1k	Up. Kitt. &											
		Lo. Freeport	32-30								34,217	5,452	ı
Strip Permit No. 135-14	Elk	Lo. Freeport	30	1	1	1	,	,	1	1	92,875	14,797	1
Strip Permit No. 135-15	Elk		30								1	1	
Strip Permit No. 135-16	Elk	Lo. Kitt.	34								58,658	9,345	
Rearick Coal Co., William P.										local	167,700	460,62	
Strip Permit No. 1884-1	Elk	Mid. Kittanning	30										
Strip Permit No. 1884-2	Elk	Mid. Kittanning	30		1	ı			ı	1		1	ı
Auger-BAM-943	E1k	Mid. Kittanning	30										
Sky Haven Coal, Inc.													
Strip Permit No. 1812-11	Elk	Lo. Kittanning	32	1	1	•	•	1	1		5,076	89	*999
Strip Permit No. 1812-18	Elk	Lo. Kittanning	32								43,143		5,663*
Strip Permit No. 1812-23	Elk	Lo. Kittanning	30								205,566	7	29,982*
										Total	253,785	4,471 3	36,311
Tamburlin Bros. Coal Co., Inc.													
Strip Permit No. 472-4	Elk	Lo. Freeport	40								83,900	15,349	
Strip Permit No. 472-7	Elk	Lo. Kittanning	40		,	,	1	,	1	1	1	1	
Strip Permit No. 472-8	Elk	Up.&Lo. Freeport	40								43,100	2,090	1
Strip Permit No. 472-9	E1k -												
	Jefferson	Kittanning	30									1	-
Vollmer, Lawrence B.										Total	127,000	20,439	
Strip Permit No. 142-1	Elk	Lo.&Up. Kitt.	32-28		1	ı	1	1	1	1		1	
									District Total	: Total	2,494,877	82,973 5	52,811

\* Slurry \*\* Pellite HD

				Kin	Kind of Opening	ning			Number	Number and Type	)e :		
			,	Shaf	Slope		Drift:	'	: Lamps Used	Jsed		Pounds of Explosives Used	s Used
			Height:					٠					Other
		Geological	of		••		••	••			••		Permis-
		Name	Seam			••	: Gase	:Gaseous or:	: F1	:Flame :Elec-:	c-: Ammonium	E	sible
Operators and Mines	County	of Coal Bed	Inches	: Depth: I	ength: De	grees: D	Inches: Depth: Length: Degrees: Drift: Nongaseous: Open: Safety: tric	aseous:0	pen:Sa	Eety:tr	lc : Nitrate	Dynamite	
B. B. & B. Strip													
Strip Permit No. 1536-2	Bedford	Barnett	28		1					'		1	1
Glade Mill Coal Co.													
Strip Permit No. 1785-1 &		Fulton	84										
584-22	Hunt'don/	Barnett	20								684,120	15,300	,
	Bedford	Dudley	09										
K. G. R. Mining, Inc.													
Strip Permit No. 453-4	Bedford	Kelly,											
		t &	30-42								66,250	9,735	
		Fulton											
Krieger Coal, Inc.													
Strip Permit No. 519-4	Bedford	Little Pittsburgh	18										
		Kelly	84						1		8,050	259	,
L & B Coal Co.													
Strip Permit No. 270-10 & 11	Fulton	Barnett	30								312,850	4,000	•
Strip Permit No. 270-13 & 14	Bedford	Spear	18								130,925	1,830	•
										Total	443,775	5,830	
Low Vol Engeries, Inc.		Twin Barnett											
Strip Permit No. 1483-2	Bedford	Fulton	36								114,125	76,333	•
New Enterprise Stone & Lime Co., Inc.	Inc.												
Strip Permit No. 796-2, 2A, 2A2 Bedford	2 Bedford	Kelly&Barnett 7	78-24	1					,		1	ı	1
Trent Enterprises													
Reclamation Project													
No. 702 (Refuse)	Bedford		,	,									-
								Dis	District Total	[otal	1,316,320	107,457	



# BITUMINOUS CLEANING PLANTS AND TIPPLES

#### 1979

#### BITUMINOUS COAL REGION

Dis-				Zip
trict	Name of Operation	Operator	Location	Code
11	Allegheny No. 2 Cleaning Plant	Penn-Allegh Coal Co., Inc.	Tarentum	15084
13	Allison	Pittsburgh Coal & Coke	Allison	15413
17	Amesville Tipple	Flango Brothers Coal, Inc.	Houtzdale	16651
11	Apollo Coal Tipple	Altmire Brothers Coal Co., Inc.		15613
15	Apollo Tipple No. 1	The Apollo Corp.	Shelocta	15774
15	Apollo Preparation Plant No. 2	The Apollo Corp.	Heilwood	15745
14	Arcadia No. 43 Tipple	The readia Co., Inc.	Arcadia	15712
9	Aurora No. 5 Tipple	Bradford Coal Co., Inc.	Bigler	16825
9	Bailey No 3/Rollingstone Cl. Pl.	River Hill Coal Co., Inc.	Kylertown	16847
17	Bald Eagle Tipple	Ringgold Coal Mng. Co.	Wingate	16880
12	Banning Mine No. 4 Cleaning Plant	Republic Steel Corp.	West Newton	15089
17	Barclay Tipple	Jones & Brague Mining Co.	Blossburg	16912
9	Bark Camp Cleaning Plant	Glen Irvan Corp.	Penfield	15849
9	Beechton Tipple	Boyer Coal Co.	DuBois	15801
9	Belfast Tipple	Hepburnia Coal Co.	Grampian	16838
17 17	Belfast No. 13 Siding	Stott Coal Co., Inc., James M.		16866
17	Benjamin No. 3 Tipple	Benjamin Coal Co.	LaJose	15753 15753
9	Benjamin No. 6 Tipple	Benjamin Coal Co.	LaJose LaJose	15753
9	Benjamin No. 7 Tipple(Stronach) Benjamin No. 8 Tipple(Luthersburg)	Benjamin Coal Co.		15753
9		Benjamin Coal Co.	LaJose	
17	Benjamin No. 9 Tipple(Falls Creek)	Benjamin Coal Co.	LaJose LaJose	15753 15753
14	Benjamin No. 10 Tipple	Empire Coal Co., Inc.		
21	Benjamin No. 11 Tipple Bird No. 3 Processing Plant	Benjamin Coal Co. Island Creek Coal Co.	LaJose Riverside	15753 15904
1		West Freedom Mining Corp.	Kittanning	16201
14	Blacksburg Tipple Bostonia Tipple	Dean Contractor, Inc., Ernest C		16242
1	Book Screening Plant	Miller & McKnight Coal Co.	Slippery Rock	16057
17	Bradford Breaker	Johnson & Morgan	Snow Shoe	16874
1	Branchton Preparation Plant	Lucas Coal Co., Inc.	Branchton	16021
2	Bridgeburg Tipple	Glacial Sand & Gravel Co.	Kittanning	16201
9	Brockway Tipple	P & N Coal Co., Inc.	Punxsutawney	15767
17	Brown No. 5 Tipple	E. M. Brown, Inc.	Clearfield	16830
13	Bute	Pittsburgh Coal & Coke	West Liesenring	
24	Cambria Slope Preparation Plant	Bethlehem Mines Corp.	Ebensburg	15931
23	Cambria Tipple	PBS Coals, Inc.	Friedens	15541
11	Canterbury	Canterbury Coal Co.	Avonmore	15618
9	Carroll Preparation Plant	Carroll Coal Trusts	Lucinda	16235
16	Central Preparation Plant	The Florence Mining Co.	Seward	15954
6	Champion No. 1 Preparation Plant	Consolidation Coal Co.	Imperial	15126
9	Cherokee Tipple	Blackhawk Coal Co.	Brookville	15825
9	Cher's Pride I Tipple	Chernicky Coal Co., Inc.	Shippenville	16254
14	Cher's Pride II Tipple	Kann Coal, Inc.	Shippenville	16254
9	Clarion Tipple	Glacial Minerals, Inc.	Clarion	16214
14	Cloe Yard Tipple	P & N Coal Co., Inc.	Punxsutawaney	15767
8	Clyde Cleaning Plant	Republic Steel Corp.	Fredericktown	15333
23	Coal Junction Tipple	Coal Junction Coal Co.	Friedens	15541
14	Colwell Loading Dock & Crusher	Colwell Coal Co.	Kittanning	16201
16	Conemaugh No. 1 Preparation Plant	The North American Coal Corp.	Seward	15954
17	Cooper Smokeless No. 2 Cl. Pl.	Bradford Coal Co., Inc.	Bigler	16825
9	Corsica Tipple & Washery Plant	R.E.M. Coal Co., Inc.	Brookville	15825
14	Coulter Tipple	Glenn Coal Co., Div. of		
		Champion Coal Co., Inc.	Punxsutawney	15767
17	Cunnard Tipple	Jill Mining Co., Inc.	Wallaceton	16876
13	Daugherty	Bortz Coal Co.	Uniontown	15401
14	Dayton Tipple	P & N Coal Co., Inc.	Punxsutawney	15767
23	Delta Coal Sales No. 1 Prep. Pl.	Delta Coal Sales, Inc.	Grantsville,Md.	21536
14	Dora Preparation Plant	Doverspike Bros. Coal Co.	Punxsutawney	15767
14	Doverspike Tipple	Gary C. Doverspike	Mayport	16240
4	Dunkard Cleaning Plant	Dunkard Mining Co.	Dilliner	15327
9	Eagle Rock No. 10 Tipple	John Teeter Coal Co.	Martinsburg	16662
21	Ehrenfeld Tipple	Bethlehem Mines Corp.	Ebensburg	15931
7	Ellsworth Mine #51 Cleaning Pl.	Bethlehem Mines Corp.	Eighty Four	15330
4	Emerald Preparation Plant	Emerald Mines Corp.	Waynesburg	15370
9	Emery Tipple	Brook Side Coal, Sand & Gravel		15825
22	Eureka No. 36	Heshbon Coal Co., Inc.	Windber	15963
21	Eureka No. 40	Jandy Coal Co., Inc.	Windber	15963

Dis-				Zip
trict	Name of Operation	Operator Cambria Coal Co.	Location	Code
24	Fallentimber Plant Fawn Mine No. 91	Bethlehem Mines Corp.	Fallentimber Eighty Four	16639 15330
1 23	Fetterolf No. 1 Plant	M. F. Fetterolf Coal Co., Inc.	Boswell	15531
23	Fetterolf No. 2 Cleaning Plant	M. F. Fetterolf Coal Co., Inc.	Boswell	15531
22	Fetterolf Tipple	M. F. Fetterolf Coal Co., Inc.	Somerset	15501
17	Fisher Tipple	Fisher Mining Co.	English Center	17733
11	Foster 4 & 5	Leechburg Mining Co.	Leechburg	15656
17	Gillentown Tipple	R. S. Carlin, Inc.	Snow Shoe	16874
9	Goshen Tipple	R. D. Baughman Coal Co., Inc.	Brookville	15825
13	Grays Landing Ramp	J & C Loading Co.	Masontown	15461
19	Greenwich Preparation Plant	Greenwich Collieries	Barnesboro	15714
9	Greenwood Tipple	Thomas Coal Sales, Inc.	Grampian	16838
17	Halfway Coalyard	S & D Trucking Co.	Snow Shoe	16874
2	Harcliff Tipple	Ernest C. Dean Contractor, Inc. Harmar Coal Co.		16242
5	Harmar Preparation Plant	Harmon Coal Co.	Pittsburgh	15238 16222
14 1	Harmon Tipple Hilliards Preparation Plant	Lucas Coal Co., Inc.	Dayton Hilliards	16040
14	Hillman Tipple	P & N Coal Co., Inc.	Punxsutawney	15767
1	Hillsville Tipple	Ambrosia Coal & Const. Co.	Edinburg	16116
9	Hoffman Cleaning Plant	River Hill Coal Co., Inc.	Kylertown	16847
25	Homer City Coal Cleaning Plant	Iselin Preparation Co.	Indiana	15701
1	Hooker Tipple	Black Fox Mining & Dev. Corp.	Karns City	16041
12	Hutchinson Preparation Plant	Consolidation Coal Co.	Hutchinson	15640
13	Isabella	National Mines Corp.	Isabella	15447
25	I-22 Loading Facility	North Cambria Fuel Co.	Spangler	15775
14	Johnstown Coal & Coke Prep. Plant	Johnstown Coal & Coke Co.	Glen Campbell	15742
9	Kaylor Siding	Wagner Coal Co.	Clarion	16214
1	Karns City Tipple	Black Fox Mining & Dev. Corp.	Karns City	16041
17	Kettle Creek Tipple	Avery Coal Co., Inc.	Philipsburg	16866
8	LaBelle Preparation Plant	Jones & Laughlin Steel Corp.	LaBelle	15450
24	Lancashire No. 20 Cleaning Plant	Barnes & Tucker Co.	Barnesboro	15714
18	Lancashire No. 24 Cleaning Plant	Barnes & Tucker Co.	Barnesboro	15714
19 22	Lancashire No. 25 Cleaning Plant	Barnes & Tucker Co.	Barnesboro	15714
17	Laurel Preparation Plant Leslie Tipple	Consolidation Coal Co. Power Operating Co., Inc.	Central City Philipsburg	15926 16866
9	Limestone Tipple	Wagner Coal Co.	Clarion	16214
13	Lock No. 8 Ramp	J & C Loading Co.	Masontown	15461
17	Loop Run Tipple	River Hill Coal Co., Inc.	Kylertown	16847
9	Lucinda Tipple	Zacherl Coal Co., Inc.	Clarion	16214
25	Lucerne No. 6 Cleaning Plant	Helvetia Coal Co.	Indiana	15701
10	Mahoning Creek Cleaning Plant	Carpentertown Coal & Coke Co.	Templeton	16259
7	Maple Creek Preparation Plant	United States Steel Corp.	New Eagle	15067
26	Marianna Mine No. 58 Cleaning Pl.	Bethlehem Mines Corp.	Eighty Four	15330
14	Markle Preparation Plant	Markle-Bullers Coal Co.	Kittanning	16201
14	Markle Tipple	Harold E. Brocious	Timblin	15778
13	Masontown Ramp	J & C Loading Co.	Masontown	15461
6	Mathies	Mathies Coal Co.	Courtney	15029
15	Mears Preparation Plant	Mears Coal Co.	Dixonville	15734
9	Medix Tipple	P & N Coal Co., Inc.	Punxsutawney	15767
17	Mile Hill Tipple	Jones & Brague Mining Co.	Blossburg	16912
9	Mt. Carmel No. 2 Tipple	Moshannon Falls Mining Co.	Clearfield	16830
3 23	Nemacolin Mine Preparation Plant No. 1 Cleaning Plant	Nemacolin Mines Corp.	Nemacolin	15351
15	Oneida Coal Preparation Plant	Fetterolf Mining Sales Co., Inc.		15541 15931
9	Owens No. 1 Tipple	The Oneida Mining Co. Sky Haven Coal, Inc.	Ebensburg Penfield	15849
9	P & S Tipple	Doan Coal Co.	Reynoldsville	15851
15	Park Side Tipple	McIntire Coal Co.	Shelocta	15774
17	Pine Glen Tipple	S & D Trucking Co.	Snow Shoe	16874
1	Pengrove Tipple	Pengrove Coal Co.	Grove City	16127
14	Penn No. 1 Tipple	West Penn Tipple Co., Inc.	Marion Center	15759
23	Penn Pocahontas No. 1 Cleaning Pl.	Penn Pocahontas Coal Co.	Garrett	15542
1	Perry Bros. Tipple	Perry Bros. Coal Co.	Sharon	16146
9	Pine City Washing Plant	A. P. Weaver & Sons	Fryburg	16326
23	Pine Hill No. 2 Preparation Plant	Croner, Inc.	Berlin	15530
9	Piney Tipple	C & K Coal Co.	Clarion	16214
14	Poseytown Preparation Plant	R. D. Baughman Coal Co., Inc.	Brookville	15825
22	Preparation Plant	Intercarbon Coal Co.	Hooversville	15936
13	Processing Plant	Genovese Coal Company	Chalk Hill	15421
22	Quemahoning Cleaning Plant	Solar Fuel Co., A Gulf&Western C		15501
17	Red Run Tipple	Jones & Brague Mining Co.	Blossburg	16912
22	Reitz No. 4 Cleaning Plant	Reitz Coal Co.	Windber	15963
22 5	Reitz No. 11 Cleaning Plant	Reitz Coal Co.	Windber	15963
,	Renton Preparation Plant	Consolidation Coal Co.	Pittsburgh	15239

Till Badge Air Bables   Dummelton Mining Co. Marion MineSaltsburg   15881   Rimersburg Pipple   River Hill Coal Co., Inc.   Meyersdale   15532   River Hill Tipple   River Hill Coal Co., Inc.   Meyersdale   15533   Rockton Tipple   Avery Coal Co., Inc.   Philipsburg   15886   Rockton Tipple   Avery Coal Co., Inc.   Philipsburg   15886   Rockton Tipple   Avery Coal Co.   Somerset   15501   Rockton Tipple   Swonawec Coal Co.   Somerset   15501   Rockton Tipple   The Arcadia Co., Inc.   Private   15601   Rossiter No. 2 Tipple   The Arcadia Co.   Portersville   16051   Rossiter No. 2 Tipple   Rerry Coal Co.   Portersville   16051   Rossellton Cleaming Flant   Rushcon Mining Co.   Private   16051   Rossellton Cleaming Flant   Republic Steel Corporation   Russellton   15076   Shade Creek Cleaning Flant   PRS Coals, Inc.   Private   15501   Shamnon Tipple   Shamnon Coal Co.   Right   15625   Rossmon Tipple   Shamnon Coal Co.   Right   16025   Shamnon Tipple   Shamnon Coal Co.   Recompleted   15025   Shamnon Tipple   Shamnon Coal Co.   Recompleted   15025   Shamnon Tipple   Shamnon Coal Co.   Clarion   16014   Shows Shoe Tipple   Reverse   Rose   16025   Shamnon Tipple   Reverse   Republic Steel Corp.   Rocktown   15315   Shober Stiding   Materials Transportation Assoc.   Raffsdale   15679   Siegel Tipple   Reverse   Republic Reverse   Coal Co.   Clarion   16014   Snow Shoe Tipple   Reverse   Republic Reverse   Coal Co.   Clarion   16014   Snownerset No. 1 Tipple   Republic Reverse   Coal Co.   Clarion   16014   Stort No. 1 Cleaning Flant   Cooney Fros. Coal Co.   Clarion   16014   Stort No. 1 Cleaning Flant   Lady Jame Coll Co.   Resson   16330   Speers Loading Dook   Dook   Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse   Republic Reverse	2:5-				Zip
River Bill Tipple River Bill Cosl Co., Inc. River Bill Casl Co., Inc. Rockton Tipple Rockton Mining Co. Rockton Min					
River Hill Tapple River Hill Cost Co., Inc. Robens Preparation Flant Disted States Steel Corp. Greensboro 15338 Rockwood Tipple Casselman Coal Sales Co. Somerset 15501 Rockwood No. 2 Tipple Rossiter No. 2 Tipple Restoon Mining Co. Restoon Mining Co. Restoon Mining Co. Restoon Cleaning Flant Rowells Tipple Restoon Cleaning Flant Restoon Foods Restoon Cleaning Flant Restoon Cleaning Flant Restoon Cleaning Flant Restoon Colony Restoon Cleaning Flant Restoon Colony Restoon Cleaning Flant Restoon Colony Restoon Cleaning Flant Restoon Colony Restoon Cleaning Flant Restoon Colony Restoon Cleaning Flant Restoon Cleaning Flant Restoon Cleaning Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Restoon Flant Resto					
Robens Preparation Plant  Rockton Tipple  Rockwood Tipple  Rockwood No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Rossider No. 2 Tipple  Scarfield No. 1 Tipple  Scarfield Coal, Inc.  Pridens  15501  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Stagel Coal Co.  Clarion  15214  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Creek Cleaning Flant  Shade Coal Co.  Clarion  15214  Show Shoe Tipple  Barold A. Slegel Coal Co.  Clarion  15315  Sommarset No. 1 Tipple  Appalachian Fuels, Inc.  Shamksville  Somerset No. 1 Tipple  Appalachian Fuels, Inc.  Shamksville  Somerset Mine No. 50 Cleaning Fl.  Stehlehem Mines Corp.  Eighty Four  15360  Speers Loeding Took  J & C Loeding Co.  Cresson  16630  Speers Loeding Took  Stathman Washery  Stote No. 1 Cleaning Flant  Sunbam Coal Co.  Shawille  Stay  Surveyor Run Tipple  Rerry Coal Co., Inc.  Moshammon  16894  Substant  16223  Frier Tipple  Shawille Coal Co.  Shawille Is889  Valley Preparation Flant  Valley Coal Supply, Inc.  Ridgway  18853  Wastley Preparation Flant  Valley Coal Supply, Inc.  Ridgway  18853  Westover Preparation Flant  Valley Coal Supply, Inc.  Rossower  16692  Westover Preparation Flan					
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Siegel Tipple  Snow Shoe Tipple  R. S. Carlin, Inc.  Snow Shoe 16874  Appelachian Fuels, Inc.  Shamksville 15560  Somerset Mine No. 50 Cleaning Fl.  Sethlehem Mines Corp.  Eighty Four 15330  Coney Bros. Coel Co.  Speers Loeding Dock  J. S. Loeding Co.  Stahlman Washery  Stahlman Washery  Stahlman Coel Co.  Sugar Eill No. 1 Tipple  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Washing Flant  Sumbeam Coel Co.  Shawville  Surveyor Run Tipple  Terry Coel Seles, Inc.  Penfield  18873  Terry Tipple  Ferry Coel Seles, Inc.  Postan  16223  Tyler Tipple  Ball's Coel Co., Inc.  Moshamnon  16856  Westover Tipple  Relph A. Veor, Inc.  Parlington  1615  Warroquier Tipple  Warroquier Coel Co.  Greensboro  15338  Westover Preparation Flant  Wellowbrook Tipple  Willowbrook Tipple  Willowbrook Tipple  Willowbrook Mining Co.  Westover  16692  Willowbrook Tipple  Willowbrook Mining Co.  Clarion  15214  Shawking Flant  Shawking Flant  Sumbeam Coal Co.  Shawville  16873  Poler Tipple  Relph A. Veor, Inc.  Prilipsburg  16866  Werwick Preparation Flant  Warroquier Coal Co.  Greensboro  15338  Westover Preparation Flant  Willowbrook Mining Co.  Westover  16692  Willowbrook Tipple  Willowbrook Mining Co.  Shawving  16127	1.3	Shannopin Cleaning Flant	Jones & Laughlin Steel Corp.	Bobtown	15315
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Somerset No. 1 Tipple Appalachian Fuels, Inc. Shamksville 15560 Somerset Mine No. 50 Cleaning F1. Sethlehem Mines Corp. Eighty Four 15330 Somman Processing Flant Cooney Bros. Coal Co. Cresson 16630 Speers Loading Oock J & C Loading Co. Masontown 15461 Stahlman Washery W. F. Stahlman Coal Co. Clation 16014 Stort No. 1 Cleaning Flant Lady Jame Collieries, Inc. Penfield 15849 Sugar Eill No. 1 Tipple Ingram Coal Co. Penfield 15849 Sumbeam Washing Flant Sumbeam Coal Corp. Boyers 16000 Surveyor Run Tipple Shawville Coal Co. Shawville 16873 Terry Cipple Ball's Coal Co., Inc. Moshamnon 16859 Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 15853 Tyne Tipple Avery Coal Co., Inc. Philipsburg 16866 Vecom Tipple Ralph A. Vecon, Inc. Darlington 16115 Warroquier Tipple Warroquier Coal Co. Greensboro 15338 Westover Preparation Flant R & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	2	Siegel Dipple	Barold A. Siegel Coal Co.	Clarion	15214
Somerset Mine No. 80 Cleaning Fl. Sethlehem Mines Corp. Eighty Four 15330 Somman Processing Flant Cooney Bros. Coel Co. Cresson 16630 Speers Loeding Dock J & C Loeding Co. Masontown 15461 Stahlman Washery W. F. Snahlman Coel Co. Clerion 16214 Stoct No. 1 Cleaning Flant Lady Jame Collieries, Inc. Penfield 15849 Sugar Eill No. 1 Tipple Ingram Coel Co. Penfield 15849 Surbeam Washing Flant Sumbeam Coel Corp. Boyers 16000 Surveyor Eun Tipple Shawville Coel Co. Shawville 16873 Terry Tipple Terry Coel Sales, Inc. Distant 16223 Pyler Tipple Ball's Coel Co. Inc. Moshamnon 16859 Walley Preparation Flant Valley Coel & Supply, Inc. Ridgway 15853 Non Tipple Ralph A. Veor, Inc. Fhilipsburg 16866 Veor Tipple Ralph A. Veor, Inc. Darlington 16115 Warroquier Tipple Warroquier Coel Co. Greensboro 15338 Westover Preparation Flant No Dupesne Light Co. Greensboro 15338 Westover Preparation Flant K & J Coel Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	17	Snow Shoe Tipple	R. S. Carlin, Inc.	Snow Shoe	15874
Cl Somman Processing Flant Cooney Bros. Goal Co. Cresson 16630  Speers Loading Dock J & C Loading Go. Masontown 15461  Stahlman Washery W. F. Shahlman Coal Co. Clerion 16014  Stort No. 1 Cleaning Flant Lady Jame Collieries, Inc. Penfield 15849  Sugar Eill No. 1 Tipple Imgram Coal Co. Penfield 15849  Sumbeam Washing Flant Sumbeam Coal Corp. Boyers 16000  Surveyor Run Tipple Shewville Coal Co. Shewville 16873  Terry Tipple Berry Coal Sales, Inc. Distant 16223  Tyler Tipple Ball's Coal Co., Inc. Moshamnon 16859  Valley Preparation Flant Valley Coal & Supply, Inc. Ridgway 15853  Tyan Tipple Avery Coal Co., Inc. Fhilipsburg 16866  Leon Tipple Ralph A. Veon, Inc. Darlington 16115  Warnoquier Tipple Warnoquier Coal Co. Clearfield 16830  Warwick Preparation Flant Doquesne Light Co. Greensboro 15338  Westover Preparation Flant K & J Coal Co., Inc. Westover 16692  Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	23	Somerset No. 1 Tipple	Appalachian Fuels, Inc.	Shanksville	15560
Speers Loading Dock J & C Loading Co. Masontown 15461 Stahlman Washery W. F. Stahlman Coal Co. Clarion 16214 Stoct No. 1 Cleaning Flant Lady Jame Collieries, Inc. Penfield 15849 Sugar Eill No. 1 Tipple Imgram Coal Cor. Penfield 15849 Sumbeam Washing Flant Sumbeam Coal Corp. Boyers 16000 Surveyor Run Tipple Shewville Coal Co. Shewville 16873 Terry Coal Seles, Inc. Distant 16223 Tyler Tipple Ball's Coal Co., Inc. Moshamon 16859 Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 15853 Wan Tipple Avery Coal Co., Inc. Philipsburg 16866 Veom Tipple Ralph A. Veom, Inc. Darlington 16115 Weroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Preparation Flant Duquesme Light Co. Greensboro 15338 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	•	Somerset Mine No. 50 Cleaning Pl.	Bathlehem Mines Corp.	Eighty Four	15330
Sumbeam Washing Flant Sumbeam Coal Corp. Soyers 16000 S Surveyor Run Tipple Shawville Coal Co. Shawville 16873 Terry Cipple Terry Coal Sales, Inc. Distant 16223 S Tyler Tipple Ball's Coal Co., Inc. Moshammon 16859 S Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 18853 IN Van Tipple Avery Coal Co., Inc. Philipsburg 16866 I Weom Tipple Ralph A. Weom, Inc. Darlington 16115 IN Waroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Freparation Flant Duquesne Light Co. Greensboro 15338 Westover Preparation Flant R & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127		Sorman Processing Flant	Cooney Bros. Coal Co.	Cresson	16630
Sumbeam Washing Flant Sumbeam Coal Corp. Soyers 16000 S Surveyor Run Tipple Shawville Coal Co. Shawville 16873 Terry Cipple Terry Coal Sales, Inc. Distant 16223 S Tyler Tipple Ball's Coal Co., Inc. Moshammon 16859 S Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 18853 IN Van Tipple Avery Coal Co., Inc. Philipsburg 16866 I Weom Tipple Ralph A. Weom, Inc. Darlington 16115 IN Waroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Freparation Flant Duquesne Light Co. Greensboro 15338 Westover Preparation Flant R & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	1	Speers Loading Dock	J & C Loading Co.	Masontown	15461
Sumbeam Washing Flant Sumbeam Coal Corp. Soyers 16000 S Surveyor Run Tipple Shawville Coal Co. Shawville 16873 Terry Cipple Terry Coal Sales, Inc. Distant 16223 S Tyler Tipple Ball's Coal Co., Inc. Moshammon 16859 S Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 18853 IN Van Tipple Avery Coal Co., Inc. Philipsburg 16866 I Weom Tipple Ralph A. Weom, Inc. Darlington 16115 IN Waroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Freparation Flant Duquesne Light Co. Greensboro 15338 Westover Preparation Flant R & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	2	Stahlman Washery	W. F. Stahlman Coal Co.	Clarion	16214
Sumbeam Washing Flant Sumbeam Coal Corp. Soyers 16000 S Surveyor Run Tipple Shawville Coal Co. Shawville 16873 Terry Cipple Terry Coal Sales, Inc. Distant 16223 S Tyler Tipple Ball's Coal Co., Inc. Moshammon 16859 S Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 18853 IN Van Tipple Avery Coal Co., Inc. Philipsburg 16866 I Weom Tipple Ralph A. Weom, Inc. Darlington 16115 IN Waroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Freparation Flant Duquesne Light Co. Greensboro 15338 Westover Preparation Flant R & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	=	Stott No. 1 Cleaning Flant	Lady Jame Collieries, Inc.	Penfield	15849
Surveyor Run Tipple Shewville Coal Co. Shewville 16873 14 Terry Cipple Terry Coal Sales, Inc. Distant 16223 9 Tyler Tipple Ball's Coal Co., Inc. Moshamnon 16859 9 Valley Preparation Flant Valley Coal & Supply, Inc. Ridgway 15853 17 Wan Tipple Avery Coal Co., Inc. Philipsburg 16866 1 Weon Tipple Ralph A. Veon, Inc. Darlington 16115 17 Warnoquier Tipple Varoquier Coal Co. Clearfield 16830 4 Warwick Preparation Flant Duquesne Light Co. Greensboro 15338 17 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127		Sugar Hill No. 1 Tipple	Ingram Coal Co.	Penfield	15849
Terry Tipple Terry Coal Sales, Inc. Distant 16223 9 Tyler Tipple Ball's Coal Co., Inc. Moshannon 16859 9 Valley Preparation Flant Valley Coal & Supply, Inc. Ridgway 18853 17 Wan Tipple Avery Coal Co., Inc. Philipsburg 16866 1 Veon Tipple Ralph A. Veon, Inc. Darlington 16115 17 Waroquier Tipple Waroquier Coal Co. Clearfield 16830 4 Warwick Preparation Flant Doquesne Light Co. Greensboro 15336 17 Westower Preparation Flant K & J Coal Co., Inc. Westower 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127		Sumbeam Washing Flant	Sumbeam Coal Corp.	Boyers	16020
9 Tyler Tipple Ball's Coal Co., Inc. Moshamon 16859 9 Walley Freparation Flant Valley Coal & Supply, Inc. Ridgway 15853 17 Wan Tipple Avery Coal Co., Inc. Philipsburg 16866 1 Weon Tipple Ralph A. Weon, Inc. Darlington 16115 17 Waroquier Tipple Waroquier Coal Co. Clearfield 16830 4 Warwick Preparation Flant Duquesme Light Co. Greensboro 15338 17 Westower Preparation Flant R & J Coal Co., Inc. Westower 16692 1 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	9	Surveyor Rum Tipple	Shewville Coal Co.	Shawville	16873
9 Valley Preparation Flant Valley Coal & Supply, Inc. Ridgway 15853 17 Van Tipple Avery Coal Co., Inc. Philipsburg 16866 18 Veon Tipple Ralph A. Veon, Inc. Darlington 16115 17 Waroquier Tipple Varoquier Coal Co. Clearfield 16830 4 Warwick Preparation Flant Duquesne Light Co. Greensboro 15338 17 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 18 Willowbrook Tipple Willowbrook Mining Co. Growe City 16127	14	Terry Tipple	Terry Coal Sales, Inc.	Distant	16223
17 Van Tipple Avery Coal Co., Inc. Philipsburg 16866 1 Veon Tipple Ralph A. Veon, Inc. Darlington 16115 17 Warroquier Tipple Varoquier Coal Co. Clearfield 16830 4 Warvick Preparation Flant Duquesne Light Co. Greensboro 15338 17 Westower Preparation Flant K & J Coal Co., Inc. Westower 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	9	Tyler Tipple	Ball's Coal Co., Inc.	Moshannon	16859
1 Veor Tipple Relph A. Veor, Inc. Darlington 16115 17 Weroquier Tipple Weroquier Coel Co. Clearfield 16830 4 Werwick Preparation Flant Doquesne Light Co. Greensboro 1538 17 Westower Preparation Flant K & J Coel Co., Inc. Westower 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	2	Valley Preparation Plant	Valley Coal & Supply, Inc.	Ridgway	15853
Waroquier Tipple Waroquier Coal Co. Clearfield 16830 Warwick Preparation Flant Duquesne Light Co. Greensboro 15338 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	17	Van Tipple	Avery Coal Co., Inc.	Philipsburg	16866
4 Warwick Preparation Flant Duquesne Light Co. Greensboro 15338 11 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	1	Veon Tipple	Ralph A. Veon, Inc.	Darlington	16115
17 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	17	Varoguier Tipple	Varoquier Coal Co.	Clearfield	16830
17 Westover Preparation Flant K & J Coal Co., Inc. Westover 16692 1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127	4	Warwick Preparation Flant	Ducuesne Light Co.	Greensboro	15338
1 Willowbrook Tipple Willowbrook Mining Co. Grove City 16127				Westover	16692
				Grove City	16127
					15436

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## BITUMINOUS COAL OPERATORS

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

#### BITUMINOUS COAL OPERATORS --- YEAR 1979

- DM Denotes operators having deep mines.
  \* Denotes operators having strip mines.
- # Denotes operators having auger mines.
- © Denotes operators having refuse or reclaimed piles. % Denotes drilling contractors.

					Zip
District	Operator	General Supt.	Address		Code
35A,39A	A & C Coal Co., Inc.*	Floyd G. Cass	R.D. 3, Box 411	Apollo	15613
32B	A. & H. Coal Co., Inc.*	Martin Antulov	Box 215	Shinnston, WVa.	26431
47	AME Enterprises, Inc.*	Alan Larson	D O D 152	Kylertown	16847
42	Ace Drilling Coal Co., Inc.*	Ralph Schmidt	P.O. Box 153	So. Fork	15956
34	Alincic, Raymond P.*	R. P. Alincic	R.D. 1 P. O. Box 10	Mt. Pleasant	15666
30,36 34	Allegheny Mineral Corp.* Aloe Coal Co.*	C. H. Snyder,Jr. Henry A. Vincent	P. O. Box 50	Kittanning	16201 15126
			Box 281	Imperial	15613
11,30,35A	Alumbauch Cool Corn *	Robt. P. Henry	R.D. 1	Apollo Friedens	15541
41	Alumbaugh Coal Corp.* Ambrosia Coal & Const. Co.*¢	Anthony Devite	R.D. 1	Edinburg	16116
1,31 40A	American Development Co.*	W. Thos. Mowry	R.D. 1, Box 475	Acme	15610
40A 40A	American Mining Co.*	Ronald Schmuch	R.D. 3	Rockwood	15557
31	Amerikohl Management Corp.*	John M. Stilley	114 No. Main St.		16001
36,37	Ancient Sun Inc.*	D. E. Kahle, Jr.	Box 129	Shippenville	16254
47	Anderson Creek Coal & ClayCo.		P. O. Box 215	Houtzdale	16651
43	Andray Mining Co.*	John P. Prushnok	Box 77	Arcadia	15712
34A	Ankeny, Donald K.*	Eugene Yount	R. D. 1	Shelocta	15774
33A	Ann Mineral Co.*	John R. Slate	500 Lloyd Ave.	Latrobe	15650
34	Ansell, Earl*	Earl Ansell	R.D. 1, Box 79	Scottdale	15685
34	Apex Co., Inc.*	Edward Gilmore	622 Market St.	McKeesport	15132
15,32,39	Apollo Corp., The*c	Wm. G. Kearns	212 6th St.	Charleroi	15022
23	Appalachian Fuels, Inc.¢		P. O. Box 194	Shanksville	15560
14,39,39A,					
43	Arcadia Co., Inc., The*c	Gene Rairigh	Box 3	Arcadia	15712
17	Associated Drilling, Inc. DM	Milford Kephart	P. O. Box 250	Johnstown	15907
31	Atwell, Neil*	Neil Atwell	Route 2	Polk	16342
9,17,43,44					
46	Avery Coal Co., Inc.*¢	R. D. Thomas	P. O. Box 232	Philipsburg	16865
34A	Avonmore Enterprises*	J. Merle Smith	R. D. 1	Avonmore	15618
65	B. B. B. Strip*	Jas. Browning	R. 1, Box 213	Flintstone, Md.	
40	BBL Enterprises, Inc.*	Blake Beighly	R. D. 1	Somerset	15501
30	B & D Coal Co.*	Chester Barr	Box 274	Harrisville	16038
35A	B & G Const. Co., Inc.*	Blaney W. Bowser	734 Butler Rd.	Kittanning	16201
30,35	B. H. & H., Inc.*	Charles Smith	R. D. 5	Kittanning	16201
4	B & M Coal Co. DM	Robert Chess	Box 37	Dilliner	15327
41	Badger Coal Co., Inc.*	Paul Polenik	248 Seanor Rd.RD		15963
33	Baker Coal Co.*	Wayne K. Baker	P. O. Box 114	Point Marion	15474
32B	Balazick, Charles*	Charles Balazick	R. D. 1	Jefferson	15344
18,19,24	Barnes & Tucker Co. DMc	Paul T. Hatcher		Barnesboro	15714
35	Bartley, Carl & Jewel*	Carl Bartley	R. D. 1	New Bethlehem	16242 15401
33A	Bartoni, John*	John Bartoni	12 Brownfield Rd		15478
33A	Bartoni, Rocco*	Rocco Bartoni	R.D., Box 47-B	Smithfield Smithfield	15478
33A	Bartoni Coal Co.*	Domenic Bartoni	R.D. 2, Box 336	Smithiteld	13470
9,14,35,36		data factor C. Datam	D 0 Post 219	Prooksti 11a	15825
38,38A	Baughman Coal Co., Inc., R.D.		P. O. Box 218	Brookville	15501
40A	Beachy & Beachy Coal Co.*	Geo. F. Cramer	151 W. Union St.	Reynoldsville	15851
45A	Becker, Jr., Blake I.*	David E. Baakan	R. D. 2	Duncansville	16635
39	Becker Coal Co., Paul F.*	Paul F. Becker	R.D. 5, Box 255 R. D. 2	Dayton	16222
35	Beckowitz, Thomas*	Thomas Beckowitz	R. D. 3	Rockwood	15557
40	Beener, C. Edward*	C. Edward Beener Paul Beilchick	к. р. э	Heilwood	15754
39A	Beilchick Brothers*	John P. Bertram	R.D. 1, Box 82	Carrolltown	15722
34A,42	Bender Coal Co., E. P.*	John F. Bertram	K.D. 1, BOX 02	Odliolicown	13
	A, 39, 42, 43,	David Roniamin		LaJose	15753
	Benjamin Coal Co.*¢	David Benjamin	R. D. 1	Homer City	15748
39A	Bennett Coal Co.*	Wm. R. Bennett Boyd Strittmatter		Bentleyville	15314
	Bentley Coal Co., Inc.*	boyd Stilltmatter	200		
1,7,18,20,		E. J. Korber	P. O. Box 29	Ebensburg	15931
	Bethlehem Mines Corp. DM¢ Better Mining, Inc.*	Geo. F. Cramer	151 W. Union St.		15501
33,40 30	Big B Mining Co., Inc.*	Robt. K. Hilliard		West Sunbury	16061
34	Big Break Mining Co.*	Geo. A. Leston	2550 Kingston Rd		17402
54	Bib break mining oo.				

District	Operator	General Supt.	Addmong		Zip
District 41	Operator Bigan Coal Co., M. H.*	M. H. Bigan	Address 421 Bigan Dr.	Windber	<u>Code</u> 15963
41	Bigan Estate, J. E.*	J. E. Bigan	Box 84	Elton	15934
45	Bison Coal Co., Inc.*	Nicholas A. Miele		Clearfield	16830
40A	Bittner, Darrell J.*	Elsworth Sturty	R. D. 4, Box 160		15552
45	Bitumco Mining Co., Inc.*	F. O. Ramsay, Jr.		Clearfield	16830
40A	Bituminous Coals *	Roy Baker	Box 84	Somerset	15501
35	Bituminous Int'l Corp.*#	Guy Stoker		Penfield	15849
1,30	Black Fox Mng. & Dev. Co.*c	Walter Barnhart	Box F	Karns City	16041
35	Black Gem Coal Co.*#	Ronald J. Good	401 S. Water St.	Kittanning	16201
9,36,38	Blackhawk Coal Co.#¢	Gary E. Yeaney	R. D. 3	Brookville	15825
33A	Blackmon, Jerry @	Jerry Blackmon	525 Pearl St.	Brownsville	15417
22	Bloom Coal Co. DM	Ralph Bloom, Jr.	R. D. 1	Holsopple	15935
40A,41	Blue Lick Coal Co., Inc.*	Thos. F. Shaffer	R.D. 2, Box 411	Somerset	15501
31	Blum Coal Co.*	Raymond Blum	Вож 232	Carrollton,0.	44615
32,33	Bologna Mining Co.*	Tony Bologna	Box 309	Burgettstown	15021
40,41	Boomdown Coal Co., Inc.*	D. G. Leipchack	P. O. Box 133	Friedens	15541
13,33A	Bortz Coal Co.*c	Geo. H. Bortz, III			15401
35	Bowers Coal, Inc.*#	Sam Bowers	95 Jeffrey St.	Indiana	15701
44	Bowman, W. C.*	W. C. Bowman	R.D. 1, Box 17B		16651
9,38A	Boyer Coal Co.*c	Wm. P. Boyer	206 E. Sherman A		15801 15601
32A,32B 30	Boyle Land & Fuel Co.*	Gary Harper	164 Westmoreland		16255
9,17,44	Bracken Construction Co.* Bradford Coal Co., Inc.*c	Dale A. Bracken George Myers	R.D. 1, Box 41	Sligo Woodland	16881
33,41	Brant Coal Co., Inc.*	Jerry Brant	100 Byers Rd.	Somerset	15501
40A	Brant Mining Co., C.*	Charles Brant	R.D. 6, Box 36	Somerset	15501
40	Brawal Mining, Inc.*	Gerald Grasser	R. D. 1	Berlin	15530
34A	Bridge Coal Co.*	John A. Boris	Box 245	Wilpen	15694
32A	Britton, James W.*	Jas. W. Britton	813 Green St.	California	15419
14	Brocious, Harold E. DMc	H. E. Brocious	ore oreen ore	Timblin	15778
9	Brook Side Coal, Sand & Gravel		R. D. 1	Brookville	15825
32B	Brooks, Charles E.*	Chas. E. Brooks	Box 278	Point Marion	15474
38A	Brookvalley Coal Co., Inc.*	William Lytle	914 G Heidrick S		16214
34,34A	Brown Coal Co., Inc., C. W.*	Jas. R. Brown	Box 23	Whitney	15693
17,44,49	Brown, Inc., Earl M.*#¢	Rodger Shimmel	329 Mt. Joy Rd.	Clearfield	16830
38A	Brubaker Bros. Coal Co.*	Jas. O. Brubaker	302 W. DuBois Av.	.DuBois	15801
30	Brush Run, Inc.*	Frank Reston	648 E. Wash. St.	New Castle	16101
35A	Bryar Construction Co.*		312 N. 2nd St.	Apollo	15613
44	Bull Run Coal Co.*		P. O. Box 285	Clearfield	16830
33A	Buncic, John*	John Buncic	R.D. 3	Smithfield	15478
38	Burkett, Maxine L.*	Leonard Burkett	R.D. 5, Box 247	Punxsutawney	15767
38	Burkett Coal Co., L. & L.*	Leonard Burkett	R.D. 5, Box 247	Punxsutawney	15767
40A	Burnham Coal Co.*#	Robert Buckel	527 Broad Ave.	Belle Vernon	15012
39A	Buterbaugh Construction Co.*#			Commodore	15729
39,39A	C. & C. Coal Corp.*	Herman Blakely	Box 102	Kent	15752
34A	C.F.S.C., Inc.*	L. G. Comisak	P. O. Box 1042	Greensburg	15601
32B	C & J Coal Co.*	Chas. M. Phillips	P. U. Box 82	Point Marion	15474
9,30,35,354		01 01 - 1	D (0	01	1 ( 01 (
36,37	C & K Coal Co.*#¢	Glenn Shook	Box 69	Clarion	16214 15019
32 40A	C & M Coal Co.* C & O Coal Co.*	Charles Rupani Leo L. Ohler	R.D. 1, Box 49	Bulger	15530
41	C & P Coal Co., Inc.*	Dean Walker	R.D. 4, Box 14 R. D. 1	Berlin Friedens	15541
33A	C & S Coal Reclamation@	Marvin Whitaker	P. O. Box 804	Uniontown	15401
22	Cairnbrook Coal Co., Inc. DM		P. O. Box 86	Alverda	15710
	Cambria Coal Co.*#¢	Donald Schlueter	P. O. Box 1507	Blandburg	16619
43	Cambria Mills Coal Co., Inc.*		R. D.	Fallentimber	16639
14	Cannel Coal Co., Inc. DM	Elwood Swank	R.D. 1, Box 336C		17860
26	Canon Coal Co. DM	Jos. Reggianni	410 Millcraft Cn.		15301
11	Canterbury Coal Co. DMc	Mario Fassio	Drawer R	Avonmore	15618
33,33A	Carbonara Coal Co.*	C. F. Carbonara	R.D. 6, Box 578		15401
45	Cardinal Coal & Contr. Co.*	Leroy Burton	301 Meyers Circle		16830
17,47	Carlin, Inc., R. S.*¢	David L. Spear	·	Snow Shoe	16874
31	Carlson Mining*#	Jack Carlson	R.D. 6, Box 267	New Castle	16101
10,35	Carpentertown Coal & Coke Co. DM*#¢	Jas. H. Cook, Jr.		Templeton	16259
9	Carroll Coal Trustsc	, 52	Box 153	Lucinda	16235
23	Casselman Coal Sales Co.¢		140 W. Union St.		15501
33	Cavanaugh, Reed J.*	R. J. Cavanaugh	R.D. 1, Box 27	Connellsville	15425
38	Caylor Coal Co.*	Dennis Bence	R. D. 1	Marion Center	15759
4	Central Cambria Drilling Co.%		P. O. Box 207	Ebensburg	15931
43	Central Pa. Coal Co., Inc.*	Harry N. Haley		Grampian	16838
34	Cherep's Excavating*	John Cherep	9742 Saltsburg	Pittsburgh	15239
9,36,37,384	AChernicky Coal Co., Inc.*c	Robt. Chernicky	P. O. Box 175	Shippenville	16254

					Zip
District	Operator	General Supt.	Address	0 (+1.5) 11	Code
37	Chess Coal Co.* Chutz Coal Co.*	Larry Chess Max Chutz	R.D.1, Box 151 467 New Castle S	Smithfield	15478 16057
33A	Cicconi, Attilio*	0. Higinbotham	407 New Castle 3	Brownsville	15417
36	Clarion Fossil Fuels Corp.*	M. A. Palo	P. O. Box 94	Clarion	16214
45	Clearfield Limestone Corp.*	Jos. W. Michaels	620 Tyler Ave.	Clearfield	16830
33	Coal Energies, Ltd.*	W. T. McCartney	P. O. Box 877	Uniontown	15401
44	Coal Hill Contracting Co.Inc.		P. O. Box 1001	Clearfield	16830
23,40,41	Coal Junction Coal Co.*c	G. Conklin	R. D. 1	Friedens	15541
42	Coal Utilities Corp.*	Paul J. Breth	2-5 Ross St.	Pittsburgh	15219
35	Cochran & Keller Coal Co., Inc		P. O. Box 215B	Apollo	15613
36,38A 33	Coal Resources, Inc.* Columbia Coal Co.*	James Uzmack	415 Wood St.	Clarion	16214
14	Colwell Coal Co.¢	W. T. McCartney C. E. Powell	P. O. Box 877 Keystone Bldg.	Uniontown Kittanning	15401 16201
38,45A	Compass Coal Co., Inc.*	D. J. White	242 W. Mahoning	Punxsutawney	15767
46	Confer Bros. Coal Co.*	Irvin L. Confer	Box 471	Milesburg	16853
5,6,12,22,					
26	Consolidation Coal Co. DMc	Frank J. Ucciardi	450 Racetrack Rd	.Washington	15301
38,39	Cookport Coal Co., Inc.*	Chas. Sheesley	425 Market St.	Kittanning	16201
21,42	Cooney Bros. Coal Co.*c	Paul Cooney	P. O. Box 246	Cresson	16630
14	Copper Valley Coal Co., Inc.DM		R. D. 2	Homer City	15748
35A,36,37	Cotterman, W. A.*#	Albert Davenport		Clarion	16214
11 8 12 3/	Creighton Hills Coal Co. DM	Steve Havrilesko	P. O. Box 272	Creighton	15030
8,12,34	Crescent Hills Coal Co., Inc. DM*	Jos. A. Reggianni	ANS Milloraft Co	Washington	15301
45	Crissman, Inc., Jas. T.*	A. M. Evans, Jr.	P. O. Box 279	Clearfield	16830
23,40,40A	Croner, Inc.*¢	Jas. E. Croner	210 High St.	Berlin	15530
44	Curtin Coal Co.*		P. O. Box 355	Philipsburg	16866
34	D.C. Industries, Inc.*	R. H. Wadsworth	P. O. Box 487	Washington	15301
32	DMB Services*	Bill Bogar		Avella	15312
30	Darlington Brick & Clay				
00 01: 05	Products Co.*	L. H. Smith		Darlington	16115
30,34A,35	Darmac Coal, Inc.*#	D. G. Batistig	R. D. 5	Kittanning	16201
30,35,35A, 38A	Daget Mining Corn *	Chas. J. Smith	U. S. Rt. 22	Dolmont	15626
30	Daset Mining Corp.* Davis Bros. Coal Co.*	D. W. Newman	P. O. Box 45	Delmont Imperial	15126
14	Davis Coal Co. DM	Claire J. Davis	R. D. 1	Creekside	15732
35	Daybrook Coal Co.*	J. W. Douglas		Dayton	16222
2,14,36	Dean Contr., Inc., Ernest C.*c	Bryan J. Taylor	Box 161	New Bethlehem	16242
38A	Deemer, Jr., Fred A.	F. A. Deemer, Jr.	R. D. 1	Reynoldsville	15851
32	Deep Valley Coal Co., Inc.*	P. J. Fleck, Jr.	2326 Greentree R	d.Carnegie	15106
12	Delmont Resources, Inc. DM	David Hower	Box 82	Burgettstown	15021
23	Delta Coal Sales, Inc.c		P. O. Box 307	Grantsville,Md	
33,40A	Delta Mining Inc.*	Wm. C. Jones	P. O. Box 307	Grantsville,Md	
32 38A	Dependable Coal & Const.* DeSalve Mining*	Leon R. Chiri Clark Ingram	P. O. Box 1 612 Orient Ave.	Imperial DuBois	15126 15801
41	Diamond T Coal Co., Inc.*	Clark Heist	P. O. Box 125	Friedens	15541
36	Dietz, Donald W.*	Glenn Shook	Box 69	Clarion	16214
15	Dixonville Mining Co. DM	G. A. Kephart	Box 665	Indiana	15701
9,38A,49	Doan Coal Co.*c	D. G. Doan	733 Jackson St.	Reynoldsville	15851
43	Dominion International, Inc.*	Geo. Shimchock		LaJose	15753
34A	Don's Excavating*	Ted Kline	R.D. 1, Box 29-A		15618
32	Dosse, Victor*	Victor Dosse	Box 57	Venetia	15367
14,35,36	Doverspike, Gary C.*¢	G. C. Doverspike	R. D. 1	Mayport	16240
14,38,38A, 39	Davamenika Bras Cost Co DMto	Homes Proping	P. D. / Port 271	Dunyoutarmou	15767
32B	Doverspike Bros. Coal Co.DM*¢ Dragan & Son*	Clark Dragan	R.D. 4, Box 271 R. D. 2	Belle Vernon	15012
45A	Dressler Coal Co., Inc.*	Gary Arblaster	R. D. 4	DuBois	15801
40,41	Drummond Coal Co., Inc.*	Donald Baer	Box 38	Jerome	15937
30	Duncan Coal Co.*	A. B. Duncan	R. D. 2	Slippery Rock	16057
39A	Dunkard Creek Coal, Inc.*#	Henry E. Bartony	1008 5th Ave.	Ford City	16226
4	Dunkard Mining Co. DMc	Ernest Sauro	Box 8	Dilliner	15317
34A	Dunn, Alfred*	Alfred Dunn	Box 141	Hostetter	15638
4	Duquesne Light Co. DMc	A. R. Hood	R. D. 1	Greensboro	15338
33,34,34A	E & J Contracting Co.*	Jos. E. Weaver	543 Locust Val.R		15601
35 40A,41	Eagle Mountain Coal Co.*	Isaac E. Reiner Mark Boyce	Box A R. D. 1	Timblin Westover	15778 16692
46	East Ridge Mining, Inc.* Eastern Mining Co.*	Wm. J. Martz	249 Main St.	Blossburg	16912
4	Eberhart, George DM	Geo. R. Eberhart	R.D. 2, Box 114	Smithfield	15478
33A	Eberhart, Jr., Ray*	Ray Eberhart, Jr.		Smithfield	15478
44	Edgren Coal Co.*	Robert Edgren		Lanse	16849
45	Edmunds Contr. & Supply				
	Co., Inc.*	Wm. F. Edmunds	P. O. Box 160	Frenchville	16836

					Zip
District	Operator	General Supt.	Address	Constant	Code
	Eidemiller, Inc., Adam*	W. P. Eidemiller	R.D. 8, Box 99 P. O. Box 142	Greensburg	15601
32	Eighty Four Industries, Inc.*	R. V. Scott	P. U. BOX 142	Eighty Four Weedville	15330 15868
49 32	Elco Coal Co.* Electro-Met Coal Co., Inc.*	Russell Shafer	P. O. Box 795		15425
14	Emanuel Coal Co., Inc. DM	Jas. A. Biller	215 Main St.	Johnstown	15901
4	Emerald Mines Corp. DMc	Donald P. Brown	P. O. Box 871	Waynesburg	15370
17,43	Empire Coal Co., Inc.*c	David J. Benjamin	11 01 201 071	LaJose	15753
36,37	Equitable Coal Co.*	Joseph Rupert	Drawer F	Knox	16232
35A	Erdley Bros. Const. Co.*	M. L. Erdley	102 Arthur St.	Kittanning	16201
38A,49	Esquire Fuel Co.*	Chas. L. Miller	688 Main St.	Brockway	15824
32,32A	Etna Equip. & Supply Co., Inc.	*John Sadowsky	P. O. Box 59	Bentleyville	15314
32	Ewing, Charles W.*	Chas. W. Ewing	141 Kearn St.	Imperial	15126
39	F. L. K. Mining Co.*	Frank Kelly	Box 53	Alverda	15710
37	FW & RR, Inc.*	Floyd E. Walter	R-1	Harrisville	16038
36	Fagley, Robert L.*	R. L. Fagley	122 Merle St.	Clarion	16214
44	Fahr Coal Co.*	Larry Fahr	R.D. 1, Box 658B		16666
49	Fairview Coal Co., Inc.*#	Walter Brunner	P. O. Box R	Ridgway	15853
33A	Farkas Coal Co.*	Andrew Farkas	R.D. 1, Box 132		15486
34	Fello, Thomas A.*	Thos. A. Fello	R. D. 1	Saltsburg	15681
34A 22,23,40,	Felton Enterprises, Inc.*	Clifford Felton	Box 213	Loyalhanna	15661
40A,41	Fetterolf Coal Co., Inc., M.F.*	c John Gould	P. O. Box 68	Boswell	15531
40A,41	Fetterolf Mng. Sales Co., Inc.		R.D. 2, Box 205	Friedens	15541
32B	Filiaggi Coal Co.*	Jas. V. Filiaggi	R.D. 6, Box 631		15401
46	Fink & Stackhouse, Inc.*	Dale Fink	2325 Newberry St		17701
40A	Finzel Coal & Clay Co., Inc.*		Box 155	Grantsville,Md	
34A	Fiore Development Co.*	Marshall Fiore	205 Monongahela		15045
34A	Firestone Coal Co.*	Thos. Firestone	Box 177	Donegal	15628
17,46	Fisher Mining Co.*c	J. A. Blaschak, Jr	.901 Market St.	Williamsport	17701
17,43,47	Flango Bros. Coal, Inc.*¢	Orland Flango	R. D. 1	Houtzdale	16651
32	Fleck Coal Co.*	Chas. J. Fleck	4316 Campbells		
			Run Road	Pittsburgh	15205
44	Fleck Const. Co., G. C.*	Grover C. Fleck	P. O. Box 88	Ramey	16671
16	Florence Mng. Co., The DMc	Pete Puleo	P. O. Box 351	Seward	15954
32B	Ford & Gaskill*	Arch F. Rose	Box 28	Greensboro	15338 16876
4	9Fran Contracting, Inc.*	Robert Knittle Ernest Sauro	Box 8	Wallaceton Dilliner	15327
39A	Francis Fuel Inc. DM Freeport Coal Co., Inc.*	Scott Saul	R.D. 1, Box 389	Apollo	15613
32A	Friend Const. Co., H. J.*	Harry Friend, Sr.	110 Shangri La	Wellsburg, WVa.	
38A,39A	Fye, Elmer E.*#	Elmer E. Fye	R. D. 2		15851
42	GMK Co.@	Michael Meehan	Box 408	Davidsville	15928
23	G. M. & W. Coal Co., Inc. DM	C. F. Hickman	Box 112	Jennerstown	15547
33A	Gaggiani, Fred*	Fred Gaggiani	R.D. 1, Box 474	New Salem	15468
44	Gallagher Coal Co.*	J. E. Gallagher	P. O. Box 92	Sandy Ridge	16677
39	GARD Mining, Inc.*	Andrew E. Stossel		Indiana	15701
34	Gary John Associates*	Michael D. Hanna		Smithton	15479
26	Gateway Coal Co. DM	J. W. Connor	3 Gateway Center		15230
38A	Gearhart, Alvin*	George Krach	Juniata St.,Ext.		15801
40A	General Refractories*	Thos. W. Stanton	Comomol Dolfman	Fort Hill	15540 15421
33A	Genovese Coal Co. *¢ Gillis, Walter L.*	T. R. Genovese, II W. L. Gillis	Box 346	Hopwood	15445
9,37	Glacial Minerals, Inc.*c	F. J. Madison,II		Clarion	16214
2	Glacial Sand & Gravel Co.c	1. 5. 12415011,11	P. O. Box 10	Kittanning	16201
65	Glade Mill Coal Coal Co.*	D. Zenoble	947 Butler St.	Pittsburgh	15223
9,38,38A,4					
45A,49	Glen Irvan Corp. DM*c	Irvan Stoker		Penfield	15849
14,38,38A	Glenn Coal Co., Div. of				
	Champion Coal Co., Inc. *c	Reno Wilson	105 W. Mahoning	Punxsutawney	15767
40,41	Glessner Mines*	Richard P. Bulow		Somerset	15501
39A	Glory Coal Co., Inc.*	Pete Polenik	R. D. 2	Clymer	15728
40	Godin & Goden Coal, Inc.*	Harold E. Goden	R. D. 1	Boswell	15531
34A	Gold Builders & Contr., Inc.*	Arthur J. Hild	4183 Sardis Rd.	Pittsburgh	15239
32B,33,34	Golden Flame Fuel Co.*	Louis C. Hamo	P. O. Box 945	Uniontown	15401
34 33	Gorr, Richard*	Richard Gorr John White			15037
40	Granbay Coal Co.* Gray Mining Co., Inc.*		Box 15	Farmington Kimberton	15437 19442
34	Green, Inc., Walter*	Raymond L. Porsch Jos. E. Green	R.D. 1, Box 158	Scottdale	15683
44	Greene Contr., Richard D.*	R. D. Greene	R. D. 1	Woodland	16881
19	Greenwich Collieries, Div. of	n, D, or conc			
	Penna. Mines Corp. DMc	Nicholas Letizia	111 W. High St.	Ebensburg	15931
30	Gross Minerals Corp.*	F. Berresford, Jr		Aspers	17304
49	Gurosik Coal Co., Inc.*	John O. Gurosik	R. D. 2	Kersey	15846

Di series	0				Zip
District 45A	Operator H. A. Enterprises, Inc.*	General Supt.	P. O. Box 361	DuRofe	Code
30	H & D Coal Co.*	P. E. McIntosh Robert Herndon	R.D. 3, Box 3629	DuBois Grove City	15801 16127
45	H D L Coal Co.*	Larry Baumgardner	K.D. J, BOX 3027	Lanse	16849
36	H & G Coal & Clay Co., Inc.*	James Uzmack	Box 245	Clarion	16214
41	H & H Coal Co.*	Thos. P. Huston	R.D. 5, Box 364A		15501
35	H. & R. Coal Co.*	L. Earl Cravener	R.D. 1, Box 434	Kittanning	16201
43	H & T Coal Co.*	E. Colley	R.D., Box 790A	Osceola Mills	16666
33A	Hal Coal Co.*	H. A. Foraili, Jr		Uniontown	15401
47	Halfway Coalyard, Inc.*	Glen A. Eckhart	P. O. Box 397	Snow Shoe	16874
9	Hall's Coal Co., Inc.¢	D	P. O. Box 25	Moshannon	16859
42	Halstock, Inc.*	Peter Swistock,Jr		Altoona	16601
44,45,47 43	Hamilton Contr. Co., Al *	George Myers Fred H. Lantz	R.D. 1, Box 41 P. O. Box 145	Woodland Shawville	16881 16873
38A	Hamlin Coal Co., Inc.* Hanley Brick, Inc.*	George Neilans	1. O. DOX 143	Summerville	15864
44,47	Hanslovan Coal Co., Inc., Ed.*	Ed Hanslovan, Sr.	Box 230, Rt. 2	Morrisdale	16858
32	Harasty Coal Co.*	C. M. Harasty	7 Carrie St.	Pittsburgh	15212
33,45A	Harbison-Walker Refractories*		2 Gateway Center		15222
5	Harmar Coal Co. DMc	Frank J. Ucciardi	450 Racetrack Rd	.Washington	15301
14,35,38	Harmon Coal Co.*#¢	John J. Harmon	Box 278	Dayton	16226
21	Harmony Mining Co. DM	Lawrence E. Long	P. O. Box 250	Johnstown	15901
45,47	Hartman Contr., Warren C.*	W. C. Hartman	R.D. 3, Bigler Re	d.Clearfield	16830
45A	Hatten Mining Co.*	Jas. T. Hatten	Box 22	Grampian	16838
34A,35A,36					
39A	Hawk Contracting, Inc.*	Frank Liperote	R.D. 1, Box 366A		16201
40A	Hay Mining, Robert F.* Head Coal Co.*	R. F. Hay	R. D. 1	Salisbury	15558
39A,43 25	Helen Mining Co., The DM	Lynn Bouch Jas. A. Hickman	P. O. Box 518 P. O. Drawer "D"	Indiana	15701 15748
25	Helvetia Coal Co. DM¢	Eugene H. Jones	655 Church St.	Indiana	15701
37	Henry, Lester C.*	Lester C. Henry	R. D. 1	Emlenton	16373
9,38A,42,4		dedict of helity		Differential	100,0
45A,49	Hepburnia Coal Co.*¢	Robt. G. Spencer	R. D. 1	Grampian	16838
22,41	Heshbon Coal Co., Inc.*c	F. R. Allison	1309 Midway	Windber	15963
33	Hibbs & Myers Coal Co.*	Wm. H. Myers	43 Foreman Ave.	Uniontown	15401
30	Highwall Mining Co.*	J. J. McGuire	9 Linwood Dr.	Sarver	16055
33	Hill Coal Co.*	T. L. Hill	607 E. Cummings	Connellsville	15425
45	Hill Coal Co.*	Jack D. Hill	Box 128	Grampian	16838
19	Hillsdale Mining Co. DM	Norman Cessna	Box 27	Hillsdale	15746
22	Hiysota Fuel Co., Inc. DM	Dwight Barrow	Box 336	Jerome	15937 16830
44 34	Holland, Arden W.*	Warren C. Hartman	Box B		16648
33	Holliday Constructors, Inc.* Horwath Coal Co.*	John Seely L. E. Horwath	630 Clarendon	Hollidaysburg Uniontown	15401
33	Hostetler, Sam *	Sam Hostetler	Box 31	New Geneva	15467
35	Houser, Earl O.*	Earl O. Houser	R.D. 1, Box 206	New Bethlehem	16242
39	Houser, William C.*	Wm. C. Houser	R.D. 3, Box 187	Indiana	15701
34A	Houser Coal Co., Inc., Walter*	Walter L. Houser	R.D. 1, Box 434	Kittanning	16201
33A	Hudock Equipment*	John Moses	R.D. 3	Uniontown	15401
49	Huff, Ronald F.*#	Ronald F. Huff	Box 148	Byrnedale	15827
34A	Hustosky, John*	John Hustosky	R.D. 1, Box 409	Dunbar	15431
32A	I.S.C. Inc.*	Alvin C. Moyer	3755 Library Rd.		15234
39	Indian Head Coal Co.*#	Robt. Vasbinder	Box 62	Hillsdale	15746
	9Ingram Coal Co.*¢	Clark R. Ingram	Box #1	Penfield	15849
22 42	Intercarbon Coal Co.¢ Interstate Fuels Co., Inc.*	P. R. Ramison Ron Rutledge	P. O. Box 98 807 Main St.	Hooversville Portage	15936 15946
43	Iraca Coal Co., Joe G.*	Joe G. Iraca	P. O. Box 547	Madera	16661
25	Iselin Preparation Co.¢	Eugene H. Jones	655 Church St.	Indiana	15701
21	Island Creek Coal Co. DM¢	E. L. Yanzetich	P. O. Box 271	Tire Hill	15959
30	J. & A. Coal Co.*	Ernest Baxter	5157 Brown Rd.	Butler	16001
33A	J & B Coal Co.*	B. J. Bealko	49 Heritage Hill		15401
7,13	J & C Loading Co.¢	Chas. F. Speggen	220 Cumberland	Masontown	15461
22	J & D Mining, Inc. DM	Jos. D. Carola	311 Allegheny St		15531
40	J & J Mining*	John Manges	Box 116	Hooversville	15936
41	J & P Mining Co., Inc.*	Jospeh Plavi	Box 58	Central City	15926
40	J & R Coal Co.@	Bill Stefan, Jr.	311 Allegheny St		15531
37	Jack Bros. Construction Co.*	A. L. Jack	R. 1 R. D. 5	Emlenton	16373 16201
35 21	Jacobs Construction Co.* Jandy Coal Co., Inc. DM¢	Charles Smith John Swick	P. O. Box 207	Kittanning Windber	15963
38	Jaro Mining Co.*	Jas. E. Adams	610 Cherry St.	Punxsutawney	15767
33	Jebco Coal Co., Inc.*	Wm. J. Cornell	Box 968	Uniontown	15401
	Jefferson-Clearfield Coal	, o, oomer			
, ,	Co., Inc.*	F. O. Ramsay, Jr.	1008 So. 2nd St.	Clearfield	16830
45A	Jeffrey B Coal Co., Inc.*	• • • • • • • • • • • • • • • • • • • •	1124 Old Town Rd		16830
17	Jill Mining Co., Inc.¢		P. O. Box 8	Wallaceton	16876

17,45,47   Johnston & Morgan*c   30	District	Operator	General Supt.	Address		Zip Code
Johnston, Robert J.*   R. J. Johnston   311 No. 2nd St. Apollo   15612   Johnston Garda & Coke Co.   157, 45   157, 45   157, 46   157, 46   157, 46   157, 46   157, 46   157, 46   157, 46   157, 47   157,	17,45,47	Johnson & Morgan*¢			Snow Shoe	16874
32	30					
19.46   Jones & Brague Mg. Co.* Corp. NMC						
17,46						
2007   Done of Laughtin Steel Corp. DMC   Do. G. Kundich   S. Gateway Center Pittsburgh   1520   Sandard						
Corp. Mbc   D. G. Kundich   S. Gateway Center Pitresburgh   1523   328			Raymond F. Brague	106 Carpenter St	.Blossburg	16912
32A   KES Enterprises, Inc.*   Kenneth E. Smith	8,13		D 0 11 11 1			15000
SES Enterprises, Inc. *   Kenneth E. Smith   721 Main St.   Bentleyville   15314   1536, 38A   K.G.R. Mining, Inc. *   K.G. Richards   Sinch Frank Cenney   Sinch God   Sinch Constitution   Sinch God   Sinch Constitution   Sinch God   Sinch Cenney   Sinch Cenney   Sinch God   Sinch Cenney   Sinch God   Sinch Cenney   Sinch God   Sinch Cenney   Sinch Cenney   Sinch God   Sinch Cenney   Sinch God   Sinch Cenney   Sinch Cenney   Sinch God   Sinch Cenney   S	200			•		
1						
56						
36,38A   K.T.T. Industries*   L. J. Schmader   Schmad						
17,43,44,45K & J Coal Co., Inc.*c   Assiser Refractories*   J. W. Pleacher   J. W. Pleach						
33						
14,36,43						
11						
44 Kasubick Bros. Coal Co.* 49 Keech Coal Co.* 49 Keely Coal Co. * 49 Keely Coal Co. * 40 Kelly Mining Co.* 41 Kennedy Coal Co. DM 43,334, 34 Kerry Coal Co.* 42 Kennedy Coal Co. DM 43,353A,393 Kerry Coal Co.* 44 Keystone Coal Mining Cor.* 46 Koyatone Mining Co.* 46 Koyatone Mining Co.* 47 King Coal Co. DM 48 Krach & Gearhart* 49 Kendel & Sono Krach & Gearhart* 40 Kolak, John* 41 Kraynak Coal Co. DM 42 Kravetsky, Charles* 41 Kraynak Coal Co. DM 43,33A 44 Krulock, Steve* 51 Eakey Goal Co. DM 45 Krieger Coal, Inc.* 46 Eake Coal Co.* 47 Lamkie Coal Co.* 48 Lanberry Coal Co.* 49 Lankier Coal Co.* 41 Lasky Const. Co., Inc.* 42 Lankeric Coal Co., Inc.* 43A Laurel Ridge Coal, Inc.* 44 Lanberry Coal Co., Inc.* 45 Laurel Coal Co., Inc.* 46 Laurene Resources* 47 Laurene Resources* 48 Laurene Resources* 49 Laurene Resources* 40 Laurene Resources* 41 Lachene Coal Co., Inc.* 42 Lachene Coal Co., Inc.* 43 Laurene Resources* 44 Lachene Coal Co., Inc.* 45 Laurene Resources* 46 Ledpewille Coal Co., K. W.* 47 Lachene Coal Co., Inc. * 48 Lachene Coal Co., Inc. * 49 Ledped Coal Co., Inc. * 40 Ledpewille Coal Co. & 41 Long Coal Co., Inc. & 42 Ledpen Coal Co., Inc. & 43 Laurene Resources* 44 Lachene Coal Co., Inc. & 45 Ledpewille Coal Co., Inc. & 46 Ledpewille Coal Co., Inc. & 47 Ledpewille Coal Co., Inc. & 48 Ledpewille Coal Co., Inc. & 49 Ledpewille Coal Co., Inc. & 40 Ledpewille Goal Co., Inc. & 41 Long Coal Co., Inc. & 42 Ledpem Coal Co., Inc. & 43 Ledpewille Coal Co., Inc. & 44 Long Coal Co., Inc. & 45 Ledpewille Coal Co., Inc. & 46 Ledpewille Goal Co., Inc. & 47 Ledpewille Goal Co., Inc. & 48 Ledpewille Goal Co., Inc. & 49 Ledpewille Coal Co., Inc. & 40 Long Coal Co., Inc. & 41 Long Coal Co., Inc. & 42 Ledpewille Coal Co., Inc. & 43 Ledpewille Goal Co., Inc. & 44 Ledpewille Goal Co., Inc. & 45 Ledpewille Goal Co., Inc. & 46 Ledpewille Goal Co., Inc. & 47 Long Coal Co., Inc. & 48 Ledpewille Goal Co., Inc. & 49 Ledpewille Goal Co., Inc. & 40 Long Coal Co., Inc. & 41 Long Coal Co., Inc. & 42 Long Coal Co., Inc. & 44 Long Coal Co.,						
30						
33A, 34	49	Keech Coal Co.*	Clyde Keech	R. D. 2	Kersey	15846
33A, 34	30	Kelly Mining Co.*	Richard Gorr	2600 Buena Vista	Elizabeth	15037
14						15666
1,30,31,37   Kerry Coal Co. **\$c			Ronald Kennedy		Punxsutawney	
10						
18	1,30,31,37	Kerry Coal Co.*#¢	V. Y. Kerry	R. D. 2	Portersville	16051
A0,40A						
14						
A2						
34A         Kowalski, Frank*         Frank Kowalski         1742 Greensburg         New Kensington         15068           33, 34A, 35A,         39A         Kravetsky, Charles*         Chas. Kravetsky         R. D. 1, Box 194         Avonmore         15618           14         Kraynak Coal Co. DM         Thos. Kraynak         R. D. 1         Mahaffey         15757           65         Krieger Coal, Inc.*         James Krieger         R. D. 6, Box 422         Uniontown         15618           33A         La & A Coal Co.*         L. & B Coal Co.*         R. D. 6, Box 422         Uniontown         15697           65         L. & B Coal Co.*         R. D. 1         Nos 191         Youngwood         15697           65         L. & B Coal Co., Inc.         R. Eshawley         P. O. Box 266         Apollo         15613           34A         Lakseside Coal Co., Inc.*         A. E. Shawley         P. O. Box 266         Apollo         15613           34A         Latimer Brothers*         Bale Latimer         R. D. 1         R. D.						
38A         Krach & Gearhart*         George Krach         R. D. 2         DuBois         15801           39, 34A, 35A, 39A         Kravetsky, Charles*         Chas. Kravetsky         R. D. 1, Box 194         Avonmore         15618           14         Kraynak Coal Co. DM         Thos. Kraynak         R. D. 1, Box 194         Avonmore         15618           33A         Krulock, Steve*         Steve Krulock         R. D. 6, Box 422         Uniontown         15407           34,34A         L & B Coal Co.*         J. L. Battistella         P. O. Box 191         Youngwood         15697           34A, 35A         Lakeside Coal Co., Inc.*         A. E. Shawley         P. O. Box 266         Apollo         15618           34A, 35A         Lakeside Coal Co., Inc.*         A. E. Shawley         P. O. Box 266         Apollo         15613           34A         Lamkie Coal Co., Inc.*         Stanley Lasky         R. D. 1         Woodland         1688           41         Lasy Const. Co., Inc.*         Stanley Lasky         R. D. 1         Box 292         New Alexandria         1563           33A         Laurel Ridge Coal, Inc.*         Stanley Lasky         R. D. 1         Box 292         New Alexandria         1563           33A         Lavery, Elzie E.*         Stanle						
33,34A,35A, 39A Kravetsky, Charles* Chas. Kravetsky R. D. 1, Box 194 Avonmore 15618 14 Kraynak Coal Co. DM Thos. Kraynak R. D. 1 Mahaffey 15757 33A Krulock, Steve* Steve Krulock R. D. 6, Box 422 Uniontown 15401 34,34A L & A Coal Co.* Steve Krulock R. D. 6, Box 422 Uniontown 15401 34,35A Lakeside Coal Co., Tho.* Alemberry Coal & Exc. Co.* Lamberry Coal & Exc. Co.* Lasby Const. Co., Inc.* Stanley Lasky R. D. 1 Waterfall 1 6689 34A Lawrence Coal Co., Inc.* Stanley Lasky R. D. 1, Box 89-C Holsopple 1 5553 34A Laurel Ridge Coal, Inc.* Stanley Lasky R. D. 1, Box 89-C Holsopple 1 5568 33A Laurel Ridge Coal, Inc.* Stanley Lasky R. D. 1, Box 89-C Holsopple 1 5568 33A Lawrence Coal Co.* Lawrence Resources* Lawrence Coal Co.* Lawrence Coal Co.* Ledechen Coal Co.* Inc.* Ledgeville Coal Co.* Lechene Coal Co.* Jinc.* Ledgeville Coal Co.* Lechene Coal Co. Tinc.* Timothy M. Ryan 11 Leechburg Mining Co. DMc Leeland Development* Lechand Development* Leongrall Mining, Inc. DM 12 Longrall Mining, Inc. DM 13 Look Coal Co., Inc.* Longrall Mining, Inc. DM 14 Look Coal Co., Inc. Coal Co. Stanley Leeland Development Royal Coal Co., Inc.* Longrall Mining, Inc. DM 1503 34A Luzerne Coal Co., Inc.* Lewis A Brumley Lewis A Brumley Lewis A Brumley Lewis A Brumley Lewis A Brumley Royal Creek Coal Co. DM 1503 34A Luzerne Coal Co., Inc.* Look Howard Lochrie Royal Coal Co., Inc.* Look Howard Lochrie Royal Coal Co., Inc.* Look Howard Lochrie Royal Creek Coal Co. DM 1503 34A Luzerne Coal Co., Inc.* Lewis A Brumley						
14			George Krach	R. D. 2	DuBois	12801
1575			Ob Was a set along	D D 1 D 10/		15/10
Steve Krieger   Steve Krulock   Steve Kruloc						
33A						
34,34A						
Standard   Standard						
9 Lady Jane Collieries, Inc. DMc Jas. Hanslovan P. O. Box 130 Philipsburg 16866 34A, 35A Lakeside Coal Co.* Inc.*				1. 0. DOX 171		
34A,35A				P. O. Box 130		
39         Lamkie Coal Co.*         D. J. Benjamin         LaJose         15753           44         Lansberry Coal & Exc. Co.*         J. B. Lansberry         R. D. 1, Box 89-C Holsopple         15935           34A         Latimer Brothers*         Dale Latimer         P. O. Box 292         New Alexandria         15670           33A         Laurel Ridge Coal, Inc.*         Chas. Firestone         P. O. Box 292         Normalville         15658           33A         Lavery, Elzie E.*         Chas. Firestone         P. O. Box 62         Normalville         15659           33A         Lavery, Elzie E.*         Jas. V. Filiaggi         R.D. 6, Box 631         Uniontown         15401           42         Lawrence Coal Co.*         Jas. V. Filiaggi         R.D. 6, Box 631         Uniontown         15401           42         Lechene Coal Co., Inc.*         Lec L. Lechene         R.D. 1, Box 364A         Patton         16688           42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A         Patton         16668           43         Ledgeville Coal Co.*         Thos. L. Dumire         220 Canal St.         Leechburg         15656           32B         Leeland Development*         Lewis A. Brumley         Thos. Hofrichter         P. O. Box 4459						
Lansberry Coal & Exc. Co.*   J. B. Lansberry   R. D. 1   Woodland   16881						
41         Lasky Const. Co., Inc.*         Stanley Lasky         R.D. 1, Box 89-C Holsopple         15935           34A         Latimer Brothers*         P. O. Box 292         New Alexandria         15670           34A         Laurel Coal Co., Inc.*         Richard A. Mosso         101 E. Church St. Ligonier         15678           33A         Laurel Ridge Coal, Inc.*         Chas. Firestone         P. O. Box 62         Normalville         15469           33B         Lawrence Coal Co.*         Jas. V. Filiaggi         R.D. 6, Box 631         Uniontown         15401           42         Lawrence Resources*         Jos. A. Kirsch         807 Main St.         Portage         15946           42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A         Patton 16668           43         Ledgeville Coal Co.*         Timothy M. Ryan         210 Johns Dr.         Clearfield         16630           32B         Leeland Development*         Lewis A. Brumley         Dilliner         15325           34A         Lingenfelter, Robert E.*         R. E. Lingenfelterloty Holds         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Loong Coal Co., A. W.*         Wm. A. Long         1203 Presqueisle         Philipsburg         1686<	44			R. D. 1		16881
34A         Laurel Coal Co., Inc.*         Richard A. Mosso         101 E. Church St.Ligonier         15658           33A         Laurel Ridge Coal, Inc.*         Chas. Firestone         P. O. Box 62         Normalville         15469           33A         Lawrence Coal Co.*         Jas. V. Filiaggi         R.D. 6, Box 631         Uniontown         15401           32B, 33         Lawrence Resources*         Jos. A. Kirsch         807 Main St.         Portage         15946           42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A         Patton         16668           43         Ledgeville Coal Co.*         Timothy M. Ryan         10 Johns Dr.         Clearfield         16830           11         Leechburg Mining Co. DMc         Thos. L. Dummire         320 Canal St.         Leechburg         15527           32B         Leeland Development*         Lewis A. Brumley         Dilliner         15327           34A         Lingenfelter, Robert E.*         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Longwall Mining, Inc. DM         George Ledney         900 Mine 42         Windber         15963           55         Low Vol Energies, Inc.*         J. L. Strange         P. O. Box 264 Dunbar         15431 </td <td>41</td> <td></td> <td></td> <td></td> <td>Holsopple</td> <td>15935</td>	41				Holsopple	15935
34A         Laurel Coal Co., Inc.*         Richard A. Mosso         101 E. Church St.Ligonier         15658           33A         Laurel Ridge Coal, Inc.*         Chas. Firestone         P. O. Box 62         Normalville         15469           33A         Lawrence Coal Co.*         Jas. V. Filiaggi         R.D. 6, Box 631         Uniontown         15401           32B, 33         Lawrence Resources*         Jos. A. Kirsch         807 Main St.         Portage         15946           42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A         Patton         16668           43         Ledgeville Coal Co.*         Timothy M. Ryan         10 Johns Dr.         Clearfield         16830           11         Leechburg Mining Co. DMc         Thos. L. Dummire         320 Canal St.         Leechburg         15527           32B         Leeland Development*         Lewis A. Brumley         Dilliner         15327           34A         Lingenfelter, Robert E.*         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Longwall Mining, Inc. DM         George Ledney         900 Mine 42         Windber         15963           55         Low Vol Energies, Inc.*         J. L. Strange         P. O. Box 264 Dunbar         15431 </td <td>34A</td> <td>Latimer Brothers*</td> <td>Dale Latimer</td> <td>P. O. Box 292</td> <td>New Alexandria</td> <td>15670</td>	34A	Latimer Brothers*	Dale Latimer	P. O. Box 292	New Alexandria	15670
33A	34A	Laurel Coal Co., Inc.*	Richard A. Mosso	101 E. Church St	.Ligonier	15658
32B,33	33A	Laurel Ridge Coal, Inc.*	Chas. Firestone	P. O. Box 62	Normalville	15469
42         Lawrence Resources*         Jos. A. Kirsch         807 Main St.         Portage         15946           42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A         Patton         16668           43         Ledgeville Coal Co.*         Timothy M. Ryan         210 Johns Dr.         Clearfield         16830           11         Leechburg Mining Co. DMc         Thos. L. Dunmire         320 Canal St.         Leechburg         15566           32B         Leeland Development*         Lewis A. Brumley         Dilliner         15327           34A         Lingenfelter, Robert E.*         R. E. Lingenfelter1045 Hartman Dr.         Indiana         15701           41         Lochrie Coal Co.*         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Long Coal Co., A. W.*         Wm. A. Long         1203 Presqueisle         Philipsburg         16866           21         Longwall Mining, Inc. DM         George Ledney         900 Mine 42         Windber         15963           45         Lov Vol Energies, Inc.*         D. Soberdash, II         R.D. 1, Box 426A         Dunbar         15431           11         Loyal Creek Coal Co., Inc.*         J. L. Strange         P. O. Box 240         Branchton	33A	Lavery, Elzie E.*	E. E. Lavery	424 S. Mt. Vernon	Uniontown	15401
42         Lechene Coal Co., Inc.*         Leo L. Lechene         R.D. 1, Box 364A Patton         16668           43         Ledgeville Coal Co.*         Timothy M. Ryan         210 Johns Dr.         Clearfield         16830           32B         Leeland Development*         Lewis A. Brumley         320 Canal St.         Leechburg         15207           34A         Linganfelter, Robert E.*         R. E. Lingenfelter/IO45 Hartman Dr. Indiana         15701           41         Lochrie Coal Co.*         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Long Coal Co., A. W.*         Wm. A. Long         1203 Presqueisle         Philipsburg         16868           21         Loward Indining, Inc. DM         George Ledney         Mine 42         Windber         15963           65         Low Vol Energies, Inc.*         D. Soberdash, II         R.D. 1, Box 426A         Dunbar         15431           13,30,31,37         Lucas Coal Co., Inc.*c         J. L. Strange         P. O. Box 34         Branchton         Box 160           22         Lunar Mining, Inc. DM         B. E. Henderson         Box 153         Eau Claire         Hooversville         15933           42         M. & K Coal Co.@         Michael Meehan         P. O. Box 408         D	32B,33	Lawrence Coal Co.*	Jas. V. Filiaggi	R.D. 6, Box 631	Uniontown	15401
Ledgeville Coal Co.*						
11         Leechburg Mining Co. DMc         Thos. L. Dummire         320 Canal St.         Leechburg         15656           32B         Leeland Development*         Lewis A. Brumley         Dilliner         15327           32         Lineal Industries, Inc.*         Thos. Hofrichter P. O. Box 4459         Pittsburgh         15205           34A         Lingenfelter, Robert E.*         R. E. Lingenfelter1045 Hartman Dr.         Indiana         15701           41         Lochrie Coal Co.*         Howard Lochrie         828 Statler Rd.         Windber         15963           44         Long Coal Co., A. W.*         Wm. A. Long         1203 Presqueisle         Philipsburg         16866           21         Longwall Mining, Inc. DM         George Ledney         900 Mine 42         Windber         15963           65         Low Vol Energies, Inc.*         D. Soberdash, II         R.D. 1, Box 426A         Dunbar         15431           11         Loyal Creek Coal Co., Inc.*         J. L. Strange         P. O. Box 34         Branchton         16021           36         Lucinda Coal Co., Inc.*         J. L. Strange         P. O. Box 408         Branchton         16021           22         Lunar Mining, Inc. DM         M. K Coal Co.@         Michael Meehan         P. O. Box 408 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
32B						
32				320 Canal St.		
34A   Lingenfelter, Robert E.*   R. E. Lingenfelter1045 Hartman Dr. Indiana   15701				D 0 Pa //50		
41						
44         Long Coal Co., A. W.*         Wm. A. Long         1203 Presqueisle Philipsburg         16866           21         Longwall Mining, Inc. DM         George Ledney         900 Mine 42         Windber         15963           65         Low Vol Energies, Inc.*         D. Soberdash, II         R.D. 1, Box 426A         Dunbar         15431           11         Loyal Creek Coal Co. DM         Robt. Helfer         Box 200         Slickville         15684           1,30,31,37         Lucas Coal Co., Inc.*c         J. L. Strange         P. O. Box 34         Branchton         16021           36         Lucinda Coal Co., Inc. DM         Box 153         Eau Claire         16030           22         Lunar Mining, Inc. DM         Mayne D. Wilson         R.D. 1, Box 165         Hooversville         15936           33A         Luzerne Coal Corp.*         Wayne D. Wilson         P. O. Box 408         Davidsville         15936           42         M & K Coal Co.@         Michael Meehan         P. O. Box 408         Davidsville         15926           44         M & M Construction Co.*         Don McDowell         R. D., Box 33         Morrisdale         16858           40A         M & M Mining*         Edward Miller         Grantsville,Md. 21536           39A,42						
21						
15431			_			
11						
1,30,31,37       Lucas Coal Co., Inc.*c       J. L. Strange       P. O. Box 34       Branchton       16021         36       Lucinda Coal Co., Inc.*       B. E. Henderson       Box 153       Eau Claire       16030         22       Lunar Mining, Inc. DM       R.D. 1, Box 165       Hooversville       15936         33A       Luzerne Coal Corp.*       Wayne D. Wilson       Box 50       East Millsboro       15433         42       M & K Coal Co.@       Michael Meehan       P. O. Box 408       Davidsville       15928         35A       M L & E, Inc.*       M. L. Erdley       102 Arthur St.       Kittanning       16201         44       M & M Construction Co.*       Don McDowell       R. D., Box 33       Morrisdale       16858         40A       M & M Mining*       Edward Miller       Grantsville,Md.21536         39A,42       M & M Mining, Inc.*       Kenneth Morchesky       R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith       P. O. Box 243       Dubois       15801						
36       Lucinda Coal Co., Inc.*       B. E. Henderson       Box 153       Eau Claire       16030         22       Lunar Mining, Inc. DM       R.D. 1, Box 165       Hoversville       15936         33A       Luzerne Coal Corp.*       Wayne D. Wilson       Box 50       East Millsboro       15433         42       M & K Coal Co.@       Michael Meehan       P. 0. Box 408       Davidsville       15928         35A       M L & E, Inc.*       M. L. Erdley       102 Arthur St.       Kittanning       16201         44       M & M Construction Co.*       Don McDowell       R. D., Box 33       Morrisadle       H6858         40A       M & M Mining*       Edward Miller       Grantsville,Md.21536         39A,42       M & M Mining, Inc.*       Kenneth Morchesky       R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith       P. 0. Box 243       Dubois       15801						
22         Lunar Mining, Inc. DM         R.D. 1, Box 165         Hooversville         15936           33A         Luzerne Coal Corp.*         Wayne D. Wilson         Box 50         East Millsboro         15433           42         M & K Coal Co.@         Michael Meehan         P. O. Box 408         Davidsville         15928           35A         M L & E, Inc.*         M. L. Erdley         102 Arthur St.         Kittanning         16201           44         M & M Construction Co.*         Don McDowell         R. D., Box 33         Morrisdale         16858           40A         M & M Mining*         Edward Miller         Grantsville,Md.21536           39A,42         M & M Mining, Inc.*         Kenneth Morchesky         R. D. 1         Carrolltown         15722           34A         M & S Mining, Inc.*         Daniel W. Smith         P. O. Box 13         Indiana         15701           45A         M S M Coal Co., Inc.*         Robert Lyle         P. O. Box 243         Dubois         15801						
33A         Luzerne Coal Corp.*         Wayne D. Wilson         Box 50         East Millsboro 15432           42         M & K Coal Co.@         Michael Meehan         P. O. Box 408         Davidsville 15928           35A         M L & E, Inc.*         M. L. Erdley         102 Arthur St.         Kittanning 16201           44         M & M Construction Co.*         Don McDowell         R. D., Box 33         Morrisdale 16858           40A         M & M Mining*         Edward Miller         Grantsville,Md.21536           39A,42         M & M Mining, Inc.*         Kenneth Morchesky         R. D. 1         Carrolltown 15722           34A         M & S Mining, Inc.*         Daniel W. Smith P. O. Box 13         Indiana 15701           45A         M S M Coal Co., Inc.*         Robert Lyle         P. O. Box 243         Dubois         15801						
42       M & K Coal Co.@       Michael Meehan       P. 0. Box 408       Davidsville       15928         35A       M L & E, Inc.*       M. L. Erdley       102 Arthur St.       Kittanning       16201         44       M & M Construction Co.*       Don McDowell       R. D., Box 33       Morrisdale       16858         40A       M & M Mining*       Edward Miller       Grantsville,Md.21536         39A,42       M & M Mining, Inc.*       Kenneth Morchesky       R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith       P. O. Box 243       Indiana       15701         45A       M S M Coal Co., Inc.*       Robert Lyle       P. O. Box 243       Dubois       15801			Wayne D. Wilson			
35A         M L & E, Inc.*         M. L. Erdley         102 Arthur St.         Kittanning         16201           44         M & M Construction Co.*         Don McDowell         R. D., Box 33         Morrisdale         16858           40A         M & M Mining*         Edward Miller         Grantsville,Md.21536           39A,42         M & M Mining, Inc.*         Kenneth Morchesky         R. D. 1         Carrolltown         15722           34A         M & S Mining, Inc.*         Daniel W. Smith         P. O. Box 13         Indiana         15701           45A         M S M Coal Co., Inc.*         Robert Lyle         P. O. Box 243         DuBois         15801						
44       M & M Construction Co.*       Don McDowell       R. D., Box 33       Morrisdale       16858         40A       M & M Mining*       Edward Miller       Grantsville,Md.21536         39A,42       M & M Mining, Inc.*       Kenneth Morchesky R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith       P. O. Box 13       Indiana       15701         45A       M S M Coal Co., Inc.*       Robert Lyle       P. O. Box 243       DuBois       15801						
40A       M & M Mining*       Edward Miller       Grantsville,Md.21536         39A,42       M & M Mining, Inc.*       Kenneth Morchesky R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith P. O. Box 13       Indiana       15701         45A       M S M Coal Co., Inc.*       Robert Lyle       P. O. Box 243       DuBois       15801						
39A,42       M & M Mining, Inc.*       Kenneth Morchesky R. D. 1       Carrolltown       15722         34A       M & S Mining, Inc.*       Daniel W. Smith P. O. Box 13       Indiana       15701         45A       M S M Coal Co., Inc.*       Robert Lyle P. O. Box 243       DuBois       15801		M & M Mining*			Grantsville,Md.	21536
34A       M & S Mining, Inc.*       Daniel W. Smith       P. O. Box 13       Indiana       15701         45A       M S M Coal Co., Inc.*       Robert Lyle       P. O. Box 243       DuBois       15801	39A,42			R. D. 1		
					Indiana	15701
32 Maceral Corp.* Lester C. Smith R.D. 1, Box 337 Worthington 16262						
	32	Maceral Corp.*	Lester C. Smith	R.D. 1, Box 337	Worthington	16262

District	Operator	Conomal Suma	Addmono		Zip
District 34A,39A	MAC-MAR, Inc.*	General Supt. Wm. F. McLaren	R.D. 4, Box 250		Code 15717
30	Malinski, Charles P.*	Chas. P. Malinski			16001
34	Manges, Lloyd*	Lloyd Manges	R. D. 3	Ligonier	15658
35A	Manor Minerals, Inc.*	Wm. F. Stitt	265 S. Jefferson		16201
14	Manor Mines, Inc. DM	Michael Steele	R. D. 2		15748
9	Manor Mng. & Contr. Corp. DM	James Krolick		Bigler	16825
39	Marion Center Mng. Co., Inc.*		31 Sixth St.	Clymer	15728
23	Mark Mining Inc. DM	Nick Villa	Box 84	Somerset	15501
14,35,38	Markle-Bullers Coal Co.*c	C. E. Powell	Keystone Bldg.	Kittanning	16201
33,33A 35	Marsolino Coal & Coke, Inc.* Martin Coal Co., James E.*#	Robert Smouse Jas. E. Martin	P. O. Drawer X R. D. 1	Uniontown Templeton	15401 16259
23	Materials Transp. Associates¢		P. O. Box 170	Ruffsdale	15679
6	Mathies Coal Co. DM¢	R. A. McGregor	450 Racetrack Rd		15332
35,36	Mauersberg Coal Co.*	Jas. Beveridge	P. O. Box 111	Clarion	16214
36	Mays Coal Co.*	Jas. A. Mays, Jr.		Clarion	16214
42	Mazzarella Coal Co.*	Rich. Mazzarella	338 Myers St.	Ebensburg	15931
32	Mazzarini, L.*	Louis Mazzarini	R. D. 1	0akdale	15071
37	McCauley, C. A.*	C. A. McCauley	P. O. Box 127		16242
40	McClintock, J. Lloyd*	J. L. McClintock	R. D. 1	Rockwood	15557
43,45	McDonald Land & Mng.Co.,Inc.*		P. O. Box 137	Grampian	16838
34	McGal Coal Co.*	A. F. Ruscitto	P. O. Box 127	Belle Vernon	15012
34 44	McGill Excavating*	D. R. McGill Clair McGovern	R.D. 3, Box 485C	Karthaus	15266 16845
15,35A	McGovern Coal Co., Clair C.* McIntire Coal Co., Wm. J.*c	Ronald McIntire	P. O. Box 171	Shelocta	15774
35	McKay Coal Co.*	Robert McKay	R. D. 2	Templeton	16259
15,35A,39,	nona, coar co.	nobell menay		1 cmp 2 c c c c c	20237
39A	Mears Coal Co. DM*#¢	Fred Kammerdiener	P. O. Box 188	Dixonville	15734
31	Medusa Cement Co.*	R. L. Everhart	P. O. Box 68	Wampum	16157
33A	Medved Mining Co.*	Harold Medved	R.D. 1, Box 26	Lake Lynn	15451
33	Menallen Coke Co.*	Max Nobel	Box 458	New Salem	15468
1	Meredith Mining, Inc. DM	D. P. Meredith	497 Lardintown	Sarver	16056
40	MetCo Mng. & Minerals, Inc.*	Dwaine R. Martin	531 N. Center Av		15549
38	Meterko, Andrew R.*	Andrew Meterko	P. O. Box 26	Punxsutawney	15767
32	Midway Coal Co.*	Wayne Kramer	Box 241	McDonald	15057
34	Mikel, Edward*	Edward Mikel	P. O. Box 310	West Newton Summerville	15089 15864
36 36	Miles Coal Co Stoven C *	Clyde Miles	R. D. 2 R. D. 2	Summerville	15864
1,30,31	Miles Coal Co., Steven C.* Miller & McKnight Coal	Clyde Miles	K. D. 2	Summerville	15004
1,50,51	Co., Inc.*¢	Gary McKnight	R. D. 2	Slippery Rock	16057
33,34A	Milrock Mining, Inc.*	S. H. Denney	R.D. 6, Box 424	Uniontown	15401
33A	Mineral Resources, Inc.*	D. C. Muchnor	Box 1141	Uniontown	15401
38	Minich Coal Co.*	Darl Minich	R.D. 2, Box 115	Mayport	16240
33	Minor, Jr., Walter*	W. Minor, Jr.	Box 31	New Geneva	15467
35	Monroe Contract Corp.*	Leo Indyk	2432 Lincoln Way		15131
38	Moore Coal Co., Everett*#	Glenn Moore	304 Indiana St.	Punxsutawney	15767 15501
40A	Moran Trucking & Coal Co., Tom		P. O. Box 472	Somerset Clearfield	16830
9,45,47	Moshannon Falls Mng.Co.,Inc.* Mt. Thor Minerals, Inc.*#	H. C. Humphreys	P. O. Box 1106	Greensburg	15601
32,33 32B	Nardei Contracting Co., Inc.*	Gildo Santella	437 Railroad St.		15017
30	Nastas, Nauncy*	Wayne Yeran	1840 Lawrence Av		16117
30	Nastasi Coal Co.*	Leon Taylor	R. D. 1	Hilliards	16040
13	National Mines Corp. DM¢	Mike Glagola		Isabella	15447
38A	Neal Coal Corp., Howard*	Jas. J. Bearer	134 So. 6th St.	Indiana	15701
34A,39A	Negley Coal Co.*	Merle Negley	P. O. Box 151	Saltsburg	15681
3	Nemacolin Mines Corp. DMc	Jack Connors	420 S. Wash. Rd.	McMurray	15317
65	New Enterprise Stone & Lime			Non-Resemble	16664
	Co., Inc.*	D. L. Detwiler	And Ohamah Ch	New Enterprise	15857
45A,49	New Shawmut Mining Co.*#	A. Palumbo	406 Church St. P. O. Box 508	St. Marys Somerset	15501
35A	Nicholson Run Coal Co.*		P. U. BOX 300	30mer sec	13301
16,25	North American Coal Corp., The DM¢	Glenn A. Marshall		Seward	15954
45A	North American Ref. Co.*	E. R. Swanson		Curwensville	16833
25,34A,38,	39A	21 11 0 11 11 11			
40	North Cambria Fuel Co.*#¢	Jas. J. Bearer	1st Nat'l Bk.Bld	g.Spangler	15775
33	Oak Run Coal, Inc.*	P. P. Sabatine	P. O. Box 576	Uniontown	15401
35,39	Oak Tree Coal Co.*	Robt. L. Leasure		Indiana	15701
33	Oberlechner, Steve*	Steve Oberlechner		McClellandtown	15458
34	O'Brien & Son, Inc., Wm.*	Wm. H. O'Brien	508 Old Franks-		157/6
			town Rd.	Monroeville	15146
37	Oil City Coal, Inc.*	Glenn Shook	Box 69	Clarion	16214 15748
34A,39	Old Home Manor, Inc.*	John A. Boris	R. D. 2 R. O. Boy 281	Homer City Carmichaels	15320
32B	Omni Energy Corp.*	David O. Campbell	I. U. DOX ZOI	Jarmacilacia	

District	Operator	General Supt.	Address		Zip Code
15	Oneida Mining Co., The DMc	Robt. Marshall	P. O. Box 367	Ebensburg	15931
40A	Onyx Mining, Inc.*	Geo. Trevorrow	1000 Jefferson		
			Hgts. Dr.	Pittsburgh	15235
34	Overly, L. W.*	L. W. Overly	R. D. 1	Mt. Pleasant	15666
34	Overly, Walter H.*	W. H. Overly	R. D. 1	Mt. Pleasant	15666
22,23,40,4					
41	PBS Coals, Inc.*#c	Clark Heist	P. O. Box 125	Friedens	15541
35A	P & L Coal Co., Inc.*	P. Farester, Sr.	R.D. 3, Box 316A		16226
46	P & M Coal Co.*	Wm. J. Martz	248 Main St.	Blossburg	16912
9,14,35,38		D. J. White	2/2 U Mahamima	Dumarou trarm or	15767
45A,49 32	P & N Coal Co., Inc.*¢ PNBP Coal*	Jess Parnell	242 W. Mahoning R. D. 2	Punxsutawney Boswell	15767 15531
32	Pangersis Coal Co.*	E. P. Pangersis	R.D.1, Shirley Ln.		15071
38	Park, Sarah L.*	Chas. E. Powell	Keystone Bldg.	Kittanning	16201
32,34	Parnell, James*	James Parnell	Box 437	Lemont Furnace	
11	Partner Coal Co. DM	Robt. Greece	R.D. 4, Box 245	Apollo	15613
34	Patrick, Richard*	Richard Patrick	704 N. Pgh. St.	Connellsville	
34A	Paulisick, Robert M.*	R. M. Paulisick	141 Stotler Dr.	Delmont	15626
26	Peggs Run Coal Co., Inc. DM	Richard Anderson		Shippenport	15077
39A	Pelbro Fuel, Inc.*	Nestor Peles		Glen Campbell	15742
42,43	Peles Coal Co., Inc.*	Geo. Kuzemchak	R. D. 1	Glen Campbell	15742
40A	Pembroke Coal Co.*	Jack Weimer	P. O. Box 245	Garrett	15542
1,30,37	Pengrove Coal Co.*c	Leonard Chutz	R.D. 3, Box 3629		16127
11	Penn Allegh Coal Co., Inc. DM		R.D. 2, Box 238A		15084
44	Penn Coal Co., Inc.*	Leonard Thompson		Philipsburg	16866
15	Penn Hill Coal Corp. DM	Fred Kammerdiener	P. O. Box 188	Dixonville	15734
34	Penn Lear Development Corp.*	B. N. Dickun	2620 Mosside Blv	.Monroeville	15146
23,40A	Penn Pocahontas Coal Co.DM*c	C. F. Hickman	P. O. Box 248	Garrett	15542
42	Pennsylvania Energy Corp.*	Jas. W. Stufft	P. O. Box 88	Gray	15544
33A,39	Pennsylvania Mineral Co.*	John R. Slate	500 Lloyd Ave.	Latrobe	15650
32	Pennweir Construction Co.*	Frank Petitto	401 Penna. Ave.		2606
45A	Pentz Coal Co., Inc.*	Drexel Pentz		Grampian	16838
1,30,31	Perry Bros. Coal Co.*c	J. Perry	Box 1163	Sharon	16146
32,34	Petricca Coal Co.*	Eugene Petricca	R. D. 2	Burgettstown	1502
37	Phillips, Merle H.*	M. H. Phillips	R.D. 2, Box 50	Sligo	16255
32,34A	Piccolomini, William*	Wm. Piccolomini	213 W. Wash. Ave		15425
43,44,47	Pike Coal Co.*	R. H. Thompson		Morrisdale	1685
13,33A	Pittsburgh Coal & Coke, Inc.@c		10.1	Allison	15413
31	Pittsburgh Refractories, Inc.*	James Keibler	10th Fl., Benedum		15000
2/. 4	D-1 C1 C- */	T/- T T-11	Trees Bldg.	Pittsburgh	15222
34A	Polar Coal Co.*#	Jessie J. Jolly	200 Willow Cross		15601
22	Potochar & Potochar Coal Co.D	M Donald Potochar	ing Rd. R. D. 1	Greensburg Hooversville	15936
17,44,47	Power Operating Co., Inc.*¢	Nigel Harley	P. O. Box 684	Philipsburg	16866
33	Purco Coal, Inc.*	A. J. Ripepi	R.D. 2, Box 384	Monongahela	15063
33A	Puskar, John J.*	John J. Puskar	R. D. 1	Dawson	15428
46	Quinn Coal & Clay Mines*	Robt. J. Quinn	P. O. Box 347	Emporium	15834
32B	R.A.S. Excavating Co.*	R. A. Saveikis	R. D. 1	Oakdale	1507
	BAR.E.M. Coal Co., Inc.*¢	Amor D. Bullers	271 Main St.	Brookville	15825
34A	R.J.R. Coal & Const. Co.*	Richard J. Weaver		Greensburg	1560
34A	R & K Coal Co.*	Ted Kline	P. O. Box 208	Blairsville	1571
34A,39A	R & L Development Co.*	Dale Latimer	P. O. Box 292	New Alexandria	
49	R & R Coal Co.*	Leo Shaffer	P. O. Box A-1	Brockway	15824
32B	R & S Coal Co.*	R. J. Stankola	R.D. 1, Box 236	Dilliner	15327
32	Ram Construction Co.*	John M. Lastooka			15317
34A	Ramaley Equip. & Supply Co.*		Rt. #22	New Alexandria	
35	Ratay Coal, Inc.*	Edward J. Ratay	R. D. 1	Penn Run	15765
39,39A	Rayne Mining Co.*	Robt. P. Neese	R.D. 6, Box 5	Indiana	1570
49	Rearick Coal Co., Wm. P.*#	Wm. P. Rearick	Box 32	Byrnedale	1582
39	Red Gap Coal Co.*	Willis D. Gardner		Glen Campbell	1574
35,36	Reddinger, Terry*	Dennis Reddinger		Distant	1622
44	Reese, Jr., Oliver P.*	Robert Schultz	Box 174	Kylertown	1684
44	Reese Brothers*	Blain G. Hubler	709 McAteer St.		1665
47	Reese Coal Co., Inc., Philip*	Philip Reese		Karthaus	16845
35	Reesman, Gene N.*	Gene Reesman	R. D. 1	New Bethlehem	1624
36	Reichard Paving & Exc., Gene*	Gene Reichard	R. D. 3	New Bethlehem	1624
	Reiner, Melvin*	Melvin Reiner	R. D. 2	Mayport	1624
38	D 1 - 0 1 0 DV	Lloyd Manges	509 15th St.	Windber	15963
22	Reitz Coal Co. DM¢	210) 4			
	Republic Steel Corp. DMc	J. R. Eaton	455 Racetrack Rd	.Meadowlands	1534
22 1,5,8,12 38A	Republic Steel Corp. DMc Rice Coal Co.*	J. R. Eaton Max Rice	711 Edward St.	Philipsburg	1686
22 1,5,8,12	Republic Steel Corp. DMc	J. R. Eaton	711 Edward St.	Philipsburg South Fork	1686 1595

District	0	01 0	4.1.1		Zip
District 42	Operator Ridge Mining Co.*	John E. Bender	R. D. 5	Duncansville	16635
36	Ridgeview Coal Co.*	Jerry L. Dean	Box 275	Rimersburg	16248
17	Ringgold Coal Mining Co.¢	,	Box 77	Wingate	16880
9,17,23,40				J	
46,47	River Hill Coal Co., Inc.*¢	Raymond Larson		Kylertown	16847
35A	Rob Coal Co.*#	C. O. Creel	P. O. Box 188	Apollo	15613
33	Robbie Coal & Fuel, Inc.*	Robbie Rose	R.D.2, Univ. Dr.		15431
34 37	Robinson, Inc., Alice K.*	L. E. Robinson, Jr			15317
37	Rockland Mining Co.* Romanko Bros. Enterprises,Inc	Jerome P. Siegel	93 S.7th Av.,Ap.1 R. D. 1	Kennerdell	16214 16374
32B,34	Rondell Co., The*	Robt. J. Umber	R.D. 3, Box 536		15063
33	Rose Coal Co., John C.*	John C. Rose	Pechin Road	Dunbar	15431
32	Rosini's, Inc.*	E. P. Pangersis	R.D.1, Shirley Ln		15071
38A	Rosio Coal Co.*	James R. Rosio	14 Alida Ave.	DuBois	15801
32A,33A	Rostosky Coal Co., Joseph*	Joseph Rostosky	R.D. 3, Box 112		15063
44	Roy Coal Co., Inc.*	Roy Mays	n 270	Olanta	16863
33A 13	Ruane Arnold Coal Co.* Ruane Coal & Coke Co.¢	Maurice J. Ruane J. L. Ruane, Jr.	Box 485	Hopwood Fairchance	15445 15436
39,39A	Ruffner Coal Co.*#	Clair Ruffner, Jr.		Indiana	15701
32B	Rumble, Jim*	Jim Rumble		Greensboro	15338
37	Rupert Collieries, Inc.*	Joseph Rupert	Drawer F	Knox	16232
33A	Rush Coal Co., Inc.*	Walter Ressler	3940 Monroeville	Monroeville	15146
17	Rushton Mining Co. DMc	Blair Rickard	P. O. Box 589	Philipsburg	16866
43	Ryan Bros. Coal Co.*	Robert E. Ryan	P. O. Box 177	Hyde	16843
30 17	S. B. P. Coal Co.*	Darrell J. Keihl	Box 30	Kittanning	16201 16874
33A	S & D Trucking Co.¢ S.D.S. Construction Co., Inc.	*Charles McClain	P. O. Box 397 P. O. Box 322	Snow Shoe Republic	15475
40A	S & S Coal Co.*	Donald Soberdash			15431
35A	S & S Coal Co., Inc.*	J. Merle Smith	R. D. 1	Avonmore	15618
45A	Sadoti, Nick J.*	P. R. Swistock, Jr		Houtzdale	16651
33A	Sager Coal Co.*	John R. Slate	500 Lloyd Ave.	Latrobe	15650
34	Salem Fuel Co.*	Richard Weaver	102 Joyce Dr.	Greensburg	15601
40A	Sanner Bros. Coal Co.*	Robert Sanner	R.D. 2, Box 358	Rockwood	15557
41	Schmidt, William*	Wm. Schmidt	R. D. 1	Champion	15622
23,40A,41 32	Scurfield Coal, Inc.*¢ Semian, Jr., Joseph*	Wm. E. Scurfield Jos. Semian, Jr.	226 Main St.	Berlin Finleyville	15530 15332
41	Shade Mining Co.*#	D. R. Hoffman	P. O. Box 121	Friedens	15541
40A	Shafer, Walter F. & Betty*	Walter Shaffer		Listonburg	15457
41	Shaffer, Myron*	Myron Shaffer	801 Shady Lane	Windber	15963
36,38A	Shaffer Mining Corp.*	Tim Shaffer	R.D. 5, Box 66	Punxsutawney	15767
43	Shale Hill Coal Co.*	Edward Spencer	R. D.	Grampian	16838
9,36,37	Shannon Coal Co.*c	Glenn Shook	Box 69	Clarion	16214
9,45,45A, 46	Shawville Coal Co.*c	Robt. D. Depp		Shawville	16873
34A	Shearer Development Corp.*	R. Scott Shearer	P. O. Box 377	New Alexandria	
36,37	Siegel, Thomas E.*	Thos. E. Siegel	R.D. 2, Box 618A		16254
9,36	Siegel Coal Co., Harold A.*c	Jerome Siegel	P. O. Box 626	Clarion	16214
43,45	Simca Mining, Inc.*	George Shimchock	405 James St.	Curwensville	16833
39A	Simpson, Marshall J.*	M. J. Simpson	R.D.2, Box 108	Saltsburg	15681
39	Siverd Bros. Coal Co.*	Budd E. Siverd	R.D. 1, Box 199	Clymer	15728
9,38,38A,4		Togorb A Orrong	p n 1	Penfield	15849
45A,49 34	Sky Haven Coal, Inc.*¢ Slate Construction Co., Inc.*	Joseph A. Owens	R. D. 1 500 Lloyd Ave.	Latrobe	15650
31	Smeltzer, Joseph*	Jos. Smeltzer	P. O. Box 308	Mercer	16137
38A	Smith, Calvin*	Calvin Smith	R. D. 1	Reynoldsville	15857
30	Smith, Lester*	Wayne E. Chutz	R. D. 2	Worthington	16262
34A	Smith, Victor P.*	V. P. Smith	P. O. Box 242	Ligonier	15658
38A	Smith Coal Co., A. A.*	Jas. J. Smith	R. D. 2	Brockway	15824
34A	Smith & Son, Inc., Ralph*	Ralph Smith	200 2nd St.	Derry	15627
34A	Smith's Blacktop Paving Co.*	Albert Smith	R.D. 1, Box 302	Derry	15627 15610
33 38	Snyder, Curtis*	Curtis Snyder	R.D. 1, Box 491 Box 109	Acme Timblin	15778
35A	Snyder, Marlin L.* Snyder Co., C. H.*	M. L. Snyder C. H. Snyder, Jr.		Kittanning	16201
36	Snyder Coal Co., Thomas*	Thomas Snyder	R.D. 2. Box 31	Mayport	16240
	Soberdash Coal Co.*	Donald Soberdash	R.D. 1, Box 426A	Dunbar	15431
33A	Soberdash Coal & Coke Co.*	Thomas Soberdash	R.D. 1, Box 426A	Dunbar	15431
22,23	Solar Fuel Co.,				15500
00 004 01	A Gulf & Western Co. DMc	Kenneth Ross	P. O. Box 488	Somerset	15501
33,33A,34	Solomon & Teslovich*	David Baker	P. O. Box 768	Masontown	15461 16001
47 39	Somerset Mines, Inc.* Southwest Penna. Natural	Leon Taylor	510 N. Main St.	Butler	10001
37	Resources, Inc.*	M. P. Kobaly	411 Wash. Ave.	Charleroi	15022
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District	Operator	General Supt.	Address	n 11	Code
34A 33A	Spec Coal Co.*	Robt. E. Ankney Joseph Sperko		Boswell	15531
23	Sperko, Joseph* Spewock, Theodore DM		Box 144	McClellandtown	
38	Spring Valley Coal Co., Inc.*	Theodore Spewock			15650
9,36,38A	Stahlman Coal Co., Inc., W.P. *¢		P. O. Box 69	Clarion	15767 16214
38	Stanford, Richard*	Richard Stanford			15767
34	Stanley Construction*	Stanley Caldarell			13707
	•		Blvd.	Verona	15147
38A	Starr, Jr., Ivan	Ivan Starr, Jr.		Brockport	15823
35A	State Industries, Inc.*	C. H. Snyder, Jr.	P. O. Box 10	Kittanning	16201
30,32	Stefkovich Bros., Inc.*	Albert Stefkovich	R. D. 2	Avella	15312
24 17,43,44,	Stella Maris Coal Co. DM	T. E. Johnston		Dysart	16636
47	Stott Coal Co., Inc., Jas. M.*c	John Murgas	P. O. Box 130	Philipsburg	16866
38A,45A	Strishock Coal Co.*	S. A. Strishock, S		Brockway	15824
38A	Sugar Hill Limestone Co.*	Russell A. Smith		Reynoldsville	15851
40A	Summit Coal Co.*	Geo. F. Cramer	151 W. Union St.		15501
40,40A,41	Summit Mines, Inc.*#	Roger Newman	R.D. 2, Box 205		15541
40A 1,30	Sun Coal Corp *	Jay Compton	R.D. 1, Box 30	Salisbury	15558
23,40	Sunbeam Coal Corp.*¢ Svonavec Coal Co.*¢	Nicholas DiBiase S. A. Svonavec, Jr		Boyers	16020 15501
33A	Swenglish Coal Co.*		R.D. 4, Box 614		15401
33A	Swenglish & Sons Coal Co.,				
45	Charles* Swistock Associates Coal Corp	C. L. Swenglish	R.D., Box 29	Smithfield	15478
44,45	Swistock & George*	P. Swistock, Jr.	Box 275	Houtzdale Houtzdale	16651 16651
33A	TIC, Inc.*	E. S. Kyslencer	5081 Lantern	noutzdate	10051
33.1	110, 1110.	z. s. kystemeer	Hill Dr.	Pittsburgh	15236
39	TLH Coal Co.*#	B. R. Loughry	R. D. 1	Rochester Mill	
11	T & R Coal Co. DM	Clark W. Neal	R. D. 1	Shelocta	15774
44	T. & T. Clay Co.*	Clinton Thompson	209 Spruce St.	Philipsburg	16866
49	Tamburlin Bros. Coal Co., Inc.	*G. L. Tamburlin	R. D. 1	Brockport	15823
33	TeDesco, William K.*	Wm. K. TeDesco	Box 143	Wyano	15695
32A,32B	Teer Co., Nello L.*	Al Malone	P. O. Box 872	Waynesburg	15370
9,45	Teeter Coal Co., John E.*c	J. Teeter, Jr.	P. O. Box 257	Martinsburg	16662
14	Terry Coal Sales, Inc.¢	Terry Reddinger	Box 58	Distant	16223
45	Thomas Coal Co., Inc.*	Russell Perks	P. O. Box 188	Grampian	16838
9	Thomas Coal Sales, Inc.¢	Dh 1111 - Marrie 1 1 - 11	Box 188	Grampian	16838
38A	Thomas Fuels, Inc.*	Phillip Marchiori		Brockway	15824
44 44	Thompson Bros. Coal Co., Inc.* Thompson Coal Co., Inc., John A			Philipsburg Clearfield	16866 16830
38A	Thompson Fuel Co.*	Thos. E. Thompson		Brockway	15824
31	Thompson Mining Co.*	Dwain Burt	3379 E.Garfield	New Springfield	d,
404 41	Three C Coal Co *	Millord D. Cromb	D O Por 227	Ohio	44443
40A,41	Three S Coal Co.*	Millard R. Swank		Stoystown	15563
<b>3</b> 0 8	Tiche Limestone & Const. Co.*		R. D. 1 R. D. 1	Boyers	16020 15423
22	Tremont Mining Co. DM Trent Coal, Inc. DM	Edward Baker Bruce Trent	R. D. 1	Coal Center Friedens	15541
65	Trent Enterprises@	John P. Leslie	Box 222	Everett	15537
4	Triangle Enterprises DM	H. S. Gugliotta,J		Dilliner	15327
11	Tunnelton Mining Co. DMc	Wm. D. Weimer	R.D. 1, Box 695	Saltsburg	15681
44	Turner, W. R.*	G. M. Yingling	R.D. 3, Box 96	Philipsburg	16866
32A	Twilight Industries*	Emil Berdar	527 Broad Ave.	Belle Vernon	15012
34A	286 Coal Co., Inc.*	John Rosa	101 Donnell Rd.		15068
32A	Tyhonas, LeRoy*	LeRoy Tyhonas	R.D. 1, Box 84	Coal Center	15436
45	Union Clay Co., Inc.*	Richard A. Danvir		Grampian	16838
3,7,13	United States Steel Corp. DMc	J. E. Young	600 Grant St.	Pittsburgh	15230
34A	U. S. Utilities Services Corp	.* M. J. Peretto	470 Mall Circle	Monroeville	15146
42	Universal Minerals, Inc.@	Tony Joseph, Jr.	P. O. Box 307	Portage	15946
15,35	Valley Coal Co. DM*#	Henry Vehovic	P. O. Box 86	Alverda	15710
9	Valley Coal & Supply, Inc.c		P. O. Box 384	Ridgway	15853
45A	VanLeer Coal Co.*	Donald Leasure	Box 415	Indiana	15701
36,37	Vendale Coal Co., Inc.*	Jim Madison	8 S. 8th Ave.	Clarion	16214
1,31	Veon, Inc., Ralph A.*c	Jerry Haach	P. O. Box 326	Darlington	16115
30	Vetica Construction Co.*	R. C. Vetica	509 Morningstar	Ellwood City	16117
33A	Villa Coal Co.*	John Rudik	410 Derrick Ave.	Uniontown Smithfield	15401
33A 49	Voithofer, Jr., Edward*	E.V.Voithofer,Jr.			15478 15857
35,36	Vollmer, Lawrence B.* W. & M. Coal Co.*	D. L. Vollmer Ronald Weaver	Rosely Road R.D. 3, Box 115	St. Marys New Bethlehem	16242
41	W. W. Coal Co.*	Willard C. Will	R. D. 1	Central City	15926
9	Wagner Coal Co.¢		P. O. Box 111	Clarion	16214
40A	Walker, Robert H.*	Robt. H. Walker	R. D. 1	Garrett	15542
	*				

					Zip
District	Operator	General Supt.	Address		Code
44	Waring Coal & Clay Co.*	Ronald A. Waring	Box 154	Kylertown	16847
17,45	Waroquier Coal Co.*¢	J.L.Waroquier,Sr.	133 W. 5th Ave.	Clearfield	16830
32	Warrick, H. E.*	H. E. Warrick	R. D. 1	Clinton	15026
43	Washington Hill Coal Co., Inc.	*Harry D. Killion	R. D.	Coalport	16627
37	Weaver Contracting, Inc.*	W. R. Weaver	R. D. 1	Conneaut Lake	16316
9,37	Weaver & Son, A. P.*c	W. S. Weaver		Fryburg	16326
34A	Weimer, Daniel L.*	Daniel L. Weimer	R.D. 5, #54	Ligonier	15658
39A	Weimer, John*	John Weimer	M. R. 1	Saltsburg	15681
11	Weimer Coal Co. DM	J. A. Weimer, Jr.	R.D. 1, Box 72	Clarksburg	15725
34	Weinman Brothers*	Homer Weinman	R.D. 4, Box 185	Mt. Pleasant	15666
42	Wescott, Inc.*	Theodore Ott	132 Cameron St.	Carroll town	15722
1,30,35A	West Freedom Mining Corp.*¢	Jas. R. Rupert	Box 169	Kittanning	16201
39A	West Lebanon Coal Co.*	D. G. Batistig	R. D. 5	Kittanning	16201
32B,33A	West Penn Coal & Const. Co.*	Jefferson Rhodes		Rices Landing	15357
14	West Penn Tipple Co., Inc.¢	Jack Sedlack	R.D. 2, Box 175	Marion Center	15759
30	Western Hickory Coal Co.*#	V. Y. Kerry		Portersville	16051
34A	Western Pa. Coal Co., Inc., The	*Mike Bizich	324 Gertrude St.	Latrobe	15650
32A	Westmont Coal Co., Inc.*	Thomas Scholl	R.D. 1, Box 3	Fayette City	15438
36	White Coal*	Harris H. White	R.D. 3, Box 170	New Bethlehem	16242
40,40A	Will's Construction Co.*	Howard D. Will	R.D. 4, Box 275	Somerset	15501
38A	Williams Coal Co.*	Richard Williams	R. D. 2	Reynoldsville	15851
1,31	Willowbrook Mining Co.*¢	Jack Riddle	R.D. 3, Box 3629	Grove City	16127
36	Wilson, John N.*	John N. Wilson		Shippenville	16254
41	Windber High Standard				
	Coal Co.*#	F. Krise	1203 Graham Ave.	Windber	15963
37	Winger Coal Co., Inc.*	Clair E. Winger	R. D. 6	Mercer	16137
33A	Wingrove Mining, Inc.*	E. J. Wingrove, Jr	.P. O. Box 462	Uniontown	15401
34	Wolf Run Road Coal Co.*	Richard Gorr	5741 Pebble		
			Creek Court	Bethel Park	15102
30	Wright, Grant R.*	Warren Wright	Box 380	Fombel1	16123
36	Wyant Coal Co., R. E.*	R. E. Wyant	R.D. 2, Box 125	New Bethlehem	16242
32	Xecol Corp.*	John M. Popovich	1460 Coraopolis		
	*	-	Hgts. Rd.	Coraopolis	15108
41	Yantus, Steve*	Steve Yantus		Central City	15926
35A,36	Yates Bros. Coal Co.*	Larry Yates	Box 70	Rimersberg	16248
38,39	Yenzi, John R.*	J. R. Yenzi	P. O. Box 164	Anita	15711
9,36,37	Zacherl Coal Co., Inc.*c	James Callihan	P. O. Box 389	Clarion	16214
34A	Zappone Construction Co.*	M. J. Zappone	104 Oakview Dr.	Ligonier	15658
32B	Zavek, Inc.*	Ron Chidester	P. O. Box 1066	Morgantown, WVa	. 26505
41	Zubek, Edward*	Edward Zubek	888 Main St.	Central City	15926

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## DIRECTORY

### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Clifford L. Jones Secretary	9th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-2814				
OFFICE OF ENVIRONMENTAL PROTECTION								
William B. Middendorf Deputy Secretary	10th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-5027				
Richard M. Boardman Associate Deputy Secretary	10th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-4686				
	Bureau of Mining and R	teclamation						
J. Anthony Ercole Director	7th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-5103				
Charles Gummo Assistant Director	7th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-7846				
D. R. Thompson, Chief Program Evaluation & Compliance Monitoring Section	7th Floor n Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-783-8845				
Charles A. Nork, Chief Explosives Safety Section	6th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-2458				
Gary Merritt, Acting Chief Div. of Planning & Environmental Analysis	7th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-783-8845				
Karl Shaeffer, Acting Chief Mng. Area Designation Section		P. O. Box 2063 Harrisburg	17120	717-783-8845				
Ronald Gilius, Acting Chief Environmental Analysis Section		P. O. Box 2063 Harrisburg	17120	717-783-8845				
Philip Zullo, Chief Div. of Mine Subsidence	6th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-5385				
Eugene Schenk, Chief Mine Subsidence Insurance Sec	6th Floor c.Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-3913				
Thomas Alexander, Chief Mine Subsidence Regulation	203 S. Washington Road	McMurray	15317	412-941-7100				
Donald Zutlas, Chief Licensing & Bonding Section	6th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-4827				
Catherine Miles Statistical Supervisor	6th Floor Fulton Nat'l Bk. Bldg.	P. O. Box 2063 Harrisburg	17120	717-787-4876				
District I Regional Office								
Thomas R. Vayansky District Mining Manager	R. D. 2, Box 603C Armbrust Professional B	l.Greensburg	15601	412-925-8115				
Inspector Supervisor (Vacant)								
Districts 31,32,32A,32B,33,33A,34,34A,35,35A								
District II Regional Office								
Javed Mirza District Mining Manager	White Memorial Bldg.	Knox	16232	814-797-1191				
Timothy VanDyke Inspector Supervisor	White Memorial Bldg.	Knox	16232	814-797-1191				
Districts 30,36,37,38,38A,48								

District III Regional Office						
	. Moore .ct Mining Manager	P. O. Box 149 The Prave Building	Ebensburg	15931	814-472-6344	
Inspec	tor Supervisor (Vacant)					
Distri	cts 39,39A,39B,40,40A,4	1,42,42A,65				
		District IV Regional	Office			
John M		n 000		16040	01/ 0/0 5000	
	ct Mining Manager	Box 208	Hawk Run	16840	814-342-5399	
	inberg tor Supervisor	Box 208	Hawk Run	16840	814-342-5399	
Distri	cts 43,44,45,45A,46,47,	49				
		District V Regional	Office			
	Sterling ct Mining Manager	Motor Contracts Bldg. 108 S.Claude A Lord Blvd	l.Pottsville	17901	717-622-8181 Ext. 369	
Inspec	tor Supervisor (Vacant)					
Distri	cts 51,52,53,54,55,56,5	7,58,59,60,61,62,63,64				
	Sandherr	/02 Bl + Church	Pottsville	17901	717-622-4995	
Flectr	ical Inspector	402 Fleet Street		17901	/1/-022-4993	
Dis- trict	<u>0</u>	pen Pit Mine Conservation	Inspectors			
30	Thomas Meehan	1012 Water St.	Meadville	16335	814-724-8537	
31	Marvin Snyder	P. O. Box 161	Eau Claire	16030	412-791-2486	
32	William Sray	R. D. 2, Box 201	McDonald	15057	412-221-7197	
32A	William Davis	Box 58, 77 Erie St.	Washington	15301	412-222-3934	
32B	John M. Paxton	R. D. 3	McDonald	15057	412-356-7535	
33	Mark Frederick	716 Green St.	Belle Vernon	15012	412-929-8848	
33A	Gildo Santella	208 Buchanan Dr.	Masontown	15461	412-583-9987	
34	Fred Ulishney	R. D. 3	Latrobe	15650	412-539-1729	
34A	Chas. R. Greene, Jr.	R. D. 1, Box 334C	Ligonier	15658	412-238-5279	
35	Andrew K. Bussard, Jr.		Kittanning	16201	412-543-1711	
35A	Henry Foringer	Box 171	Boyers	16020	412-735-2297	
36	Earl Huff	R. D. 4, Box 728	Franklin	16323	814-432-4413	
36 36	Andrew Colberg	258 Poplar Ave.	Dayton	16222	814-257-8448	
37	Richard F. Stempeck Virgil Ordiway	R. D. 1, Box 329 Crescent Ave.	Covington Clarion	16917 16214	717-659-5182 814-226-7623	
38	Edward V. Moore	R. D. 1	Smicksburg	16256	412-286-9461	
38A	William L. Smith	R. D. 4	Brookville	15825	814-849-7738	
39	Ronald L. McCracken	Box 116	Marion Center	15759	412-397-2782	
39A	Nile A. Linberg	Box 216	Cherry Tree	15725	814-743-6750	
39B	Donald L. Wissinger	Box 88	Home	15747	412-463-8265	
40	Joel Pontorero	Box 155	Rockwood	15557	814-352-7541	
40A	Donald R. Barnes	448 Harvestor Dr.	Windber	15963	814-467-4015	
41	George Lokitis	P. O. Box 88	Central City	15926	814-754-8147	
42 42A	James Wise	R. D. 5, Box 129B 1022 Granger Dr.	Tyrone	16686 15905	814-684-3211 814-255-5100	
43	LeRoy C. Miller Charles Hicks	R. D.	Johnstown Grampian	16838	814-236-1369	
44	James W. Forcey	RFD, Box 123	Woodland	16881	814-857-7708	
44A	William Anderson	R. D. 1, Box 320	Morrisdale	16858	814-345-5409	
45	Terry Confer	P. O. Box 282	Howard	16841	814-625-2225	
45A	William J. Stiffler	328 Mt. Joy Rd.	Clearfield	16830	814-765-4389	
46	Lawrence J. Pauly	8 Dinandan Dr.,	w	17751	717 7/0 700	
.7	B Bt	Camelot Estate	Mill Hall	17751	717-748-7982	
47 48*	Bryce Putman	511 Cricklewood Dr.	State College	16801	814-234-3219 412-791-2621	
48* 49	Henry G. Thomas James Sennett	R. D. 1 Brandycamp Rd.	Boyers Kersey	16020 15846	814-885-8640	
49 50#	George Thomas	315 E. Dewart St.	Kersey Shamokin	17872	717-648-8454	
51*	Howard Murphy	117 Beverly Dr.	Clarks Summit	18411	717-587-3936	
52*	Harold Burdick	43 Main St.	White Mills	18473	717-253-0556	
53	James Gaughan	242 Courtdale Ave.	Courtdale	18704	717-288-4833	

#### Open Pit Mine Conservation Inspectors (Continued)

The state of the s							
Dis-							
trict							
54*	Monas Carpenter	152 Charles Dr.	Havertown	19083	215-446-6287		
55*	Robert Pizzoli	313 W. Saylor St.	Atlas	17851	717-339-1169		
56	George Thomas	315 E. Dewart St.	Shamokin	17872	717-648-8454		
57	James Leber	986 Groff Ave.	Elizabethtown	17022	717-367-2095		
58	Walter Dieterle	1132 Laurelee Rd.	Reading	19605	215-929-1640		
59	Joseph Ruane	928 N. Washington St.	Shamokin	17872	717-648-0262		
60	Robert Whitmer	1332 W. Fern St.	Shamokin	17872	717-648-8677		
61*	Thomas Rooff	Box 123	Rexmont	17085	717-272-3211		
62*	Edward Wilson	242 E. Evergreen St.	West Grove	19390	215-869-9480		
63*	Spencer Arnold	32nd & Brisban Sts.	Harrisburg	17111	717-564-5315		
64*	L. Paul Louey	R. D. 1	Littlestown	17340	717-359-4920		
65	Henry Shustack	R. D. 5, Shamrock					
		Trailor Ct., Lot 24	Duncansville	16635	814-696-0591		

#### OFFICE OF DEEP MINE SAFETY

Walte	r J. Vicinelly	Rm. 103 Executive House	P. O. Box 2357		
Commi	ssioner	101 S. Second St.	Harrisburg	17120	717-787-1376
	am F. Darkes	Rm. 104 Executive House	P. O. Box 2357		
Admin	istrative Officer	101 S. Second St.	Harrisburg	17120	717-783-6783
	J. Shober, Jr., Director				
	of Anthracite Deep Mine	Motor Loan Services Bldg			717-622-8181
Saf	ety	108 S.Claude A Lord Blve	1.Pottsville	17901	Ext. 360
נו מ	Hyatt, Director	Foresta County Health C			
	of Bituminous Deep Mine	Fayette County Health Co Room 167	enter		
Safe		100 New Salem Rd.	Uniontown	15401	412-439-7469
3410	ety	100 New Salem kd.	Ulifolicowii	13401	412-433-7403
	Δ	nthracite Underground Min	ne Inspectors		
Dis-		mentable onderground mi	ic inspectors		
trict					
1	Robert T. Shober	626 Harvey St.	West Hazleton	18201	717-454-0205
2	Leonard W. Rogers	837 Spruce St.	Ku1pmont	17834	717-373-3942
3	C. E. Kashner	904 W. Spruce St.	Shamokin	17872	717-648-3792
4	Joseph Halaburda	230 S. Wylam St.	Frackville	17931	717-874-1163
5	Richard P. Lesser	207 S. Chestnut St.	Mount Carmel	17851	717-339-1114
6	Paul L. Hummel	Main St., Box 24	Helfenstein	17939	717-648-5666
		ŕ			
	<u>B</u>	ituminous Underground Min	ne Inspectors		
1	Jesse L. Bolen	R. D. 1, Box 527	New Salem	15468	412-246-2635
2	Jesse L. Bolen, Actg.	R. D. 1, BOX 327	Hew Salem	11	11
3	Eno Chellini	433 W. Church Ave.	Masontown	15461	412-583-2187
4	Edward C. Urbany	1525 Sixth St.	Waynesburg	15370	412-627-5531
5	R. A. Vicinelly, Actg.		Masontown	15461	412-583-9309
6	R. E. Fulton	9 Cedar St.	Masontown	15461	412-583-9266
7	F. J. Shoaf, Jr.	524 Old Waynesburg Rd.	Carmichaels	15320	412-966-7638
8	W. L. Reynolds	R. D. 1, Box 116	Rices Landing	15357	412-592-5076
9	G. F. Moody	6 W. Fifth Ave.	Clearfield	16830	814-765-7723
10	C. Wesley Milan	347 Low Hill Road	Brownsville	15417	412-785-5970
11	Walter Christopher	207 Maple St.	Carmichaels	15320	412-966-2259
12	R. A. Vicinelly, Actg.		Masontown	15461	412-583-9309
13	J. M. Muchnok	3 O'Connell Ave.	Uniontown	15401	412-438-0368
14	J. Earl Lamont	426 Myrtle St.	Punxsutawney	15767	814-938-6271
15	Carl A. Utberg	R. D. 1	Commodore	15729	412-254-4814
16	L. D. Kimmel	1237 Washington St.	Indiana	15701	412-465-2873
17	G. F. Moody, Actg.	6 W. Fifth Ave.	Clearfield	16830	814-765-7723
18	R. D. Morgan, Actg.	Box 136	East Freedom	16637	814-695-7804
19	William Garay	Box 354	Elmora	15737	814-948-6062
20	Richard C. Rozanc	R. D. 5, Box 369	McDonald	15057	412-745-4943
21	T. Britten, Jr., Actg.		Twin Rocks	15960	814-749-9358
22	W. F. Cherry, Actg.	Box 81	Dilltown	15929	814-446-6948
23	R. C. Murphy, Actg.	R. D. 1, Box 99-B	Hopwood	15445	412-438-1751
			-		

<sup>\*</sup> Districts having no coal production.

# There is no longer a District 50. The mines in this District are now included with those in District 56.

		Bituminous Underground Min	ne Inspectors (Cont:	inued)	
Dis-		•			
trict					
24	A. E. Valeri	R. D. 2, Box 87	Ebensburg	15931	814-472-8548
25	Felice Libertini, Act		Denbo	15429	412-785-3519
26	A. M. Pawlosky	R. D. 1	Hickory	15340	412-745-8177
	Robert J. Monaghan	R. D. 3, Box 370-E	Uniontown	15401	412-438-6385
	£	Anthracite Mine Electrica	l Inspectors		
	Michael J. Bubel, Jr.	129 Lewis St.	Brockton	17925	717-668-4587
	Joseph J. McGrath	204 W. Cherry St.	Shenandoah	17976	717-462-2118
	•				
	1	Bituminous Mine Electrica	l Inspectors		
1,2,5	E. R. Shoemaker	217 Marlboro Dr.	New Kensington	15068	412-335-0307
4,26	James P. Andrews, Sr.	504 E. George St.	Carmichaels	15320	412-966-5467
3,13	Frank R. Jurczak	558 Waynesburg Rd.	Carmichaels	15320	412-966-7661
7,12	John F. Funka	R. D. 3	McDonald	15057	412-745-8597
	William W. Stiles	R. D. 1, Box 449	Blairsville	15717	412-676-5983
11,16	Richard W. Weimer	R. D. 1, Box 314-A	Derry	15627	412-694-2804
20,24	D. A. Johnson	Box 164	Belsano	15922	814-749-0878
22,23	Michael A. Anderson	220 Jefferson Ave.	Windber	15963	814-467-7667
9,18	Gary G. Berkheimer	R. D. 2, Box 83	Ebensburg	15931	814-344-9965
25	Charles Fenchak	R. D. 2	Strongstown	15957	814-749-9505
10,21	Gerald E. Brosius	R. D. 6, Box 194	Johnstown	15909	814-322-3211
6,8	Lonnie L. Miller	22 Biddle Acres	Carmichaels	15320	412-966-2469
	Steven F. Gaida	R. D. 1, Box 157-A	Ashville	16613	814-674-5962
	Anth:	racite Mine Rescue & Firs	t Aid Instructor		
	Clayton L. Morgan	Broad St.	Valley View	17983	717-682-9586
	Bitu	minous Mine Rescue & Firs	t Aid Instructors		
		510 W 0 11 . t		15/01	/10 /00 0010
	William P. Caffrey	512 N. Gallatin Ave.	Uniontown	15401	412-438-9218
	Carl Simon	R. D. 1, Box 54	Fredericktown	15333	412-377-1687
	Robert McGee	R. D. 2, 42 Oak St.	Dunbar	15431	412-277-4649
	Frank J. Pohopin	610 Farren St.	Portage	15946	814-736-8785
		Mine Rescue Stat	ions		
	Uniontown	Foresta Courts He 1st C			
	Unioncown	Fayette County Health C Rm. 167, 100 New Salem		15401	412-439-7469
	Greensburg	Armbrust Professional B R.D. 2, Box 603-B, Rt.		15601	412-832-5317
				13001	712-032-3317
	Underg	round Mine Inspectors - D	eep Non-Coal Mines		
	William M. Smith	151 Sunset Ave.	Pleasant Gap	16823	814-359-2002
	John Conroy	315 Ridge Ave.	Butler	16001	412-283-1059

As of July 10, 1980



# PITS AND QUARRIES

Bureau of Surface Mine Reclamation

PITS AND QUARRIES
ANNUAL REPORT 1979

	EXPLOSIVES USED	USED	PRODUCTION OF MINERALS - NET TONS	ET TONS			
	NUMBER OF	NUMBER OF POUNDS OF	TOTAL PRODUCTION OF		DAYS	NO. FATAL	NO. NON- FATAL
COUNTY	BLASTING AGENTS		MINERALS	EMPLOYEES	WORKED	ACCIDENTS	ACCIDENTS
Adams	475,517	507,640	3,383,594	245	1,113	1	14
Alleghenu			000'09	62	602	1	13
Armstrong	52,162	10,975	889,948	100	1,197	1	80
Beaver	180,202	26,884	960,435	15	779	-	60
Bedford	116,625	7,600	503,477	77	503		9
Berks	583,030	833,645	2,780,961	352	2,399	1	7
Blair	620,098	124,874	1,940,527	121	888	1	10
Bradford			129,460	12	220	-	
Bucks	560,216	227,450	1,614,737	94	1,350		
Butler	3,110,490	425,041	2,274,539	157	1,729	4	9
Centre	509,250	41,669	1,281,667	55	626	-	3
Chester	1,034,752	11,396	2,852,469	84	527	-	3
Clarion		1		12	-	1	1
Clearfield	69,174	6,617	86,204	49	434	1	1
Clinton	224,766	4,292	133,242	23	415	-	1
Columbia	193,325	1	170,317	36	584		1
Crawford	and 1	1	201,878	36	623	-	
Cumberland	240,740	305,766	1,695,054	143	1,095	-	14
Dauphin	150,010	90,125	874,099	102	229	1	11
Delaware	607,543	7,433	1,539,200	73	218		
Erie			273,369	14	627		1
Favette	597,090	113,253	1,230,710	105	1,642	1	3
Forest		1	38,665	4	143	1	1
Franklin	221,550	378,550	1,446,926	58	463	-	2
Fulton		l.	42,948	8	200	1	-
Huntingdon	476,525	204,134	1,763,267	245	951	-	13
Jefferson	1	1	58,905	9	309	-	
Lackawanna	20,250	2,100	39,932	9	445	1	1
Lancaster	840,004	803,485	4,386,858	273	2,406	1	22

# PITS AND QUARRIES ANNUAL REPORT 1979

	EXPLOSIVES USED	USED	PRODUCTION OF MINERALS - NET TONS	- NET TONS			
	NUMBER OF	NUMBER OF	TOTAL PRODUCTION	Λ		NO.	NO. NON-
	POUNDS OF	POUNDS OF	OF		DAYS	FATAL	FATAL
COUNTY	BLASTING AGENTS	DYNAMITE	MINERALS	EMPLOYEES	WORKED	ACCIDENTS	ACCIDENTS
Lawrence	983,350	102,112	1,320,892	105	1,189	T.	1
Lebanon	308,000	866,046	3,396,871	267	479	-	•
Lehigh	264,266	21,840	1,686,239	114	1,510	1	33
Luzerne			539,457	55	545	-	4
Lycoming	496,732	ı	1	19	498	1	1
McKean	23,515	443	85,250	15	340	-	1
Mercer	1	1	71,980	16	239	1	1
Mifflin	101,450	74,435	323,316	34	671		3
Monroe	000,06	-	369,000	24	152	-	1
Montgomery	879,632	322,218	2,593,627	56	1,133	1	15
Montour	82,430	•		17	92	1	1
Northampton	342,768	1	2,126,192	260	1,763	1	31
Northumberland	144,566	73,352	774,427	51	1,094	1	1
Perry	18,527		167,379	12	1	-	1
Pike			207,261	15	160	1	1
Schuylkill	64,140	22,963	149,000	45	120	1	-
Snyder	39,850	36,989	185,680	30	132	1	2
Somerset	605,200	218,581	662,327	153	884	1	9
Susquehanna	1	1	10,000	ı	-	-	1
Union	100,650	164,617	454,067	21	296	1	1
Venango	17,750	400	141,977	14	635	-	1
Warren	1	1	290,309	16	793	1	1
Westmoreland	657,575	337,257	1,143,793	79	1,013	1	_
York	688,013	276,337	3,172,206	371	1,661	1	1
* # B C B		6 650 610	62 624 630	7 300	30 548	1	217
TOTAL	10,191,133	6,000,000	0001200100	41337	25,00		177

# GEOLOGICAL FORMATIONS

CARBONATES MESTONE DOLOMITE	,877	305,234	503,477	,636 253,191		585,500		684,667 597,000	2,843,869		,605	270,330		,963	,560	42,948	,267			,858	,436		,663 396,256		266,274	396,000	2,049,800	,889	142,200		
LIV	3,116,877	305	503	1,177,636	1,910,527		2,164,932	684			1,107,605	270		1,199,963	1,264,560	42	1,763,267			4,386,858	1,274,436	3,396,871	1,287,663		266	396		2,102,889	142		
CLASTICS E BUILDING STONE																															
SANDSTONE							109,601					149,637			182,366			31,405	39,932		44,117			40,250	55,142				283,978	167,379	
HORNFELS													0														1				
PHICS													1,539,200														10,01				
METAMORPHICS ARGILLITE QUARTZITE GN				0	30,000						80,770	1,400															9				
ARGILLIT				175,000		513,057																					981,956				
IGNEOUS	266,717			746,635		466,800																									
되려	26			74		46																							and		
COUNTY	Adams	Armstrong	Bedford	Berks	Blair	Bucks	Butler	Centre	Chester	Clarion	Cumberland	Dauphin	Delaware	Favette		Fulton		Jefferson	Lackawanna	Lancaster	Lawrence	Lebanon	Lehigh	McKean	Mifflin	Monroe	Montgomeru	Northampton	Northumberland	Perru	

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CARBONATES	LIMESTONE DOLOMITE	185,680	537,775	399,067		1,094,086	2,998,917	33,980,739 6,725,616
CLASTICS	SANDSTONE BUILDING STONE				37,212		1,563	1,142,588
METAMORPHICS	ARGILLITE QUARTZITE GNEISS HORNFELS							1,819,013 112,170 1,549,271
IGNEOUS	DIABASE							1,480,152
	COUNTY	Snyder	Somerset	Union	Venango	Westmoreland	York	TOTAL

# GEOLOGICAL FORMATIONS

SHALE	000,000			256,000		49,380	8,600											2,339			45,000		1,900		100,849				55,000			171,756	748,485 2,339
SLATE				2															2,320					23,303	1							1	25,623
SLAG																					334,358												334,358
CLAY		14,135	159,375					86,204	39,439						30,747		27,500										18,552						375,592
SAND AND GRAVEL		839,867	090,108	172,449	129,460					170,317	201,878	30,675	09,760	273,369		38,665				539,457		71,980			247,400	207,261		10,000		104,785	290,309		4,228,692
COUNTY	Allegheny	Armstrong	Beaver	Berks	Bradford	Bucks	Chester	Clearfield	Clinton	Columbia	Crawford	Cumberland	Dauphin	Erie	Fayette	Forest	Jefferson	Lawrence	Lehigh	Luzerne	McKean	Mercer	Mifflin	Northampton	Northumberland	Pike	Somerset	Susquehanna	Union	Venango	Warren	York	TOTAL

# ADAMS COUNTY

Glen Gery Corporation 227 N. Fifth Street Reading, Pa.

Bethlehem Mines Corporation Martin Tower Bethlehem, Pa. 18016

Flintkote Stone Products Co. P.O. Box 128 Gettysburg, Pa. 17325

# ALLEGHENY COUNTY

Harmar Clay Products Inc. Richhill Road Cheswick, Pa. 15024

Robert M. Chambers, Inc. 234 Lott Road P.O. Box 17300 Pittsburgh, Pa. 15235

# ARMSTRONG COUNTY

The Logan Clay Products Co. Logan, Ohio 43138

Glacial Sand and Gravel Co. P.O. Box 10 Kittanning, Pa. 16201

Davison Sand and Gravel Co. 3rd Avenue and 4th Street New Kensington, Pa.

Manor Minerals, Inc. 265 S. Jefferson St. Kittanning, Pa. 16201

Penn Dixie Industries, Inc. R.D. #2 Cabot, Pa. 16023

# BEAVER COUNTY

Darlington Brick Clay Prods. Co. Darlington, Pa. 16115

Dravo Corporation - Keystone Div. One Oliver Plaza Pittsburgh, Penna. 15222

## BEDFORD COUNTY

1979

New Enterprise Stone & Lime Co., Inc. New Enterprise, Pa. 16664

#### BERKS COUNTY

Glen Gery Corp. 227 N. Fifth Street Reading, Pa.

Cement Division National Gypsum Company Evansville, Pa. 19521

The General Crushed Stone Company P.O. Box 231 Easton, Pa. 18042

Berks Silica Sand Corporation RD #1, Box 566L Temple, Pa. 19560

The John T. Dyer Quarry Co. Subsidiary of Warner Company Suite 132, 111 Presidential Blvd. Bala Cynwyd, Pa. 19004

Pottstown Trap Rock Quarries #1 Quarry Road Douglassville, Pa. 19518

E. J. Breneman, Inc. P.O. Box 428 Pottstown, Pa. 19464

# BLAIR COUNTY

New Enterprise Stone & Lime Co., Inc. New Enterprise, Pa. 16664

J. L. Hartman Co., Inc. P.O. Box 265 Hollidaysburg, Pa. 16648

Narehood Limestone, Inc. P.O. Box C Tyrone, Pa. 16686

# BRADFORD COUNTY

Wrisley Excavating R #2, Box 132 Troy, Pa. 16947

#### BRADFORD COUNTY CONT'D

Wysox Sand and Gravel, Inc. Box 128 Wysox, Pa.

## BUCKS COUNTY

Edison Quarry R.D. #3 Doylestown, Pa. 18901

bogiestown, ra. 10901

The General Crushed Stone Co. P.O. Box 231 Easton, Pa. 18042

Colony Materials P.O. Box 135 Pt.Pleasant, Pa.

Miller Quarries 1371 W. St. Road Warminster, Pa. 18974

New Hope Crushed Stone Co. Phillips Mill Road New Hope, Pa.

American Olean Tile Company 675 California Road Quakertown, Pa. 18951

#### BUTLER COUNTY

H.W. Cooper R.D. #2 Slippery Rock, Pa.

Allegheny Mineral Corporation P.O. Box 10 Kittanning, Pa. 16201

Penn-Dixie Industries, Inc. R.D.#2 Cabot, Pa. 16023

Cooper Bros. R.D. #2 Slippery Rock, Pa.

Sechan Limestone Ind. Inc. R.D. #1 Portersville, Pa. 16051 Herbert R. Imbt, Inc. Box 155 State College, Pa.

Martin Marietta Corporation P.O. Box 30013 Raleigh, N.C. 27622

J. G. Neidigh 813 W. Beaver Avenue State College, Pa.

#### CHESTER COUNTY

Caln Building Stone Corp. R.D. #1 Zion Grove, Pa. 17985

The General Crushed Stone Company P.O. Box 231 Easton, Penna. 18042

# CLARION COUNTY

Glacial Sand and Gravel Co. P.O. Box 10 Kittanning, Pa. 16201

Allegheny Mineral Corporation P.O. Box 10 Kittanning, Pa. 16201

## CLEARFIELD COUNTY

Harbison-Walker Refractories Mineral Springs, Pa. 16855

## CLINTON COUNTY

Mill Hall Clay Prod. Inc. 44 Market Street Mill Hall, Penna. 17751

Harbison-Walker Refractories, U.S. Mineral Springs, Pa. 16855

Lycoming Silica Sand Company 420 Broad Street Montoursville, Pa. 17754

#### COLUMBIA COUNTY

Bloomsburg Sand & Gravel Co., Inc. R.D. #2 Bloomsburg, Penna. 17815

Lycoming Silica Sand Company 420 Broad Street Montoursville, Pa. 17754

#### CRAWFORD COUNTY

W. L. Dunn Construction Co. Adams Street Cochranton, Penna. 16314

Conneaut Lake Sand & Gravel Co. R.R. #3 Conneaut Lake, Pa.

Virgil Faust R.D. #1 Conneat Lake, Pa. 16316

#### CUMBERLAND COUNTY

Hempt Bros. Inc. 205 Creek Road Camp Hill, Pa. 17011

Locust Point Quarries Inc. P.O. Box 1280 Mechanicsburg, Pa.

Valley Quarries Inc. R.D. #10, Box 173 Chambersburg, Penna. 17201

Bonny Brook Quarries P.O. Box 686 Carlisle, Pa. 17013

Pennsy Supply Co. Inc. 1001 Paxton Street Harrisburg, Pa. 17105

#### DAUPHIN COUNTY

Blue Mountain Stone Co. 6935 Sleepy Hollow Road Harrisburg, Pa. 17112 Pennsy Supply, Inc. 1001 Paxton Street Harrisburg, Pa. 17105

Faylor-Middlecreek Inc. P.O. Box 135 Winfield, Penna. 17889

# DELAWARE COUNTY

The General Crushed Stone Company P.O. Box 231 Easton, Pennsylvania 18042

## ERIE COUNTY

Ganzer Sand and Gravel, Inc. 2412 Saltsman Road Erie, Penna. 16510

Union Sand and Gravel Inc. P.O. Box 168 Union City, Penna. 16438

Hoover Sand and Gravel Co. Troupe Road Harborcreek, Penna. 16421

#### FAYETTE COUNTY

Kaiser Refractories
P.O. Box 60
Frostburg, Maryland 21532

Adam Eidemiller, Inc. R.D. #8, Box 99 Greensburg, Penna. 15601

Harbison-Walker Refractories U.S. Mineral Springs, Pa. 16855

Martin Marietta Corporation P.O. Box 30013 Raleigh, North Carolina 27622

Commercial Stone Company P.O. Box 208 Belle Vernon, Pa.

#### FOREST COUNTY

Tionesta Sand and Gravel Inc. Box 208 Hawthorn, Penna. 16230

Jack J. Kuntz, Owner East Hickory, Penna. 16321

#### FRANKLIN COUNTY

Valley Quarries Inc. R.D. #10 Box 173 Chambersburg, Penna. 17201

Martin Marietta Aggregates P.O. Box 30013 Raleigh, North Carolina 27622

Mt. Cydonia Sand
Division of Valley Quarries
R.D. #1
Fayetteville, Penna. 17222

#### FULTON COUNTY

H. B. Mellott Estate Inc. 328 North 2nd Street McConnellsburg, Pa.

#### HUNTINGDON COUNTY

Pennsylvania Glass Sand Corp. P.O. Box 187 Berkeley Springs, West Virginia 25411

Narehood Limestone, Inc. P.O. Box C Tyrone, Penna. 16686

New Enterprise Stone & Lime Co. New Enterprise, Penna. 16664

# JEFFERSON COUNTY

The Brockway Clay Co. Brockway, Penna. 15824

David P. Glenn P.O. Box 61 Corsica, Penna. 15829

#### LACKAWANNA COUNTY

Jackson Crushed Stone Inc. 729 Lincoln Street Dickson City, Penna. 18519

Godino's West Mt. Stone 703 Newton Road Scranton, Penna. 18501

# LANCASTER COUNTY

Lancaster Lime & Stone Corp. 930 Pointview Road Ephrata, Pa.

H. R. Miller Company, Inc. P.O. Box 135 Winfield, Penna. 17889

Compass Quarries, Inc. R.D. #2, Box 94 Paradise, Penna. 17562

J. Miller Eshleman & Son, Inc. Box #295 Landisville, Penna. 17538

D. M. Stoltzfus & Son, Inc. Talmage, Penna. 17580

Rohrer's Quarry, Inc. R.D. #3 Lititz, Pa. 17543

A. G. Kurtz & Sons, Inc. R.D. #3 Denver, Penna. 17517

David M. Burkholder, Inc. R.D. #3 Ephrata, Penna. 17522

Union Quarries Inc. P.O. Box 166 Rheems, Penna. 17570

## LAWRENCE COUNTY

D. M. Boyd Co. 226 Francis Street New Wilmington, Pa. 16142

#### LAWRENCE COUNTY CONTINUED

Medusa Cement Company P.O. Box 5668 Cleveland, Ohio 44101

McQuiston Coal Company 120 E. Maitland Lane New Castle, Penna. 16105

Vanport Stone, Inc. P.O. Box 144 Edinburg, Penna. 16116

H. W. Cooper & Sons, Inc.
R.D. #2
Slippery Rock, Pa.

## LEBANON COUNTY

Bethlehem Mines Corporation Bethlehem, Penna. 18016

Calcite Quarry Corp.
P.O. Box 629
Lebanon, Penna. 17042

# LEHIGH COUNTY

Penn Big Bed Slate Co., Inc. P.O. Box 184 Slatington, Penna. 18080

Lehigh Stone Company R. #1 Coplay, Penna. 18037

Roy J. Kern Quarry 2575 Main Street Schnecksville, Pa. 18078

Coplay Cement Company Nazareth, Pa. 18064

The Whitehall Cement Co. 5160 Main Street Whitehall, Penna. 18052

### LUZERNE COUNTY

J. A. & W. A. Hess, Inc. P.O. Box 645 Hazleton, Penna. 18201 Airport Sand and Gravel Inc. 500 Swetland Lane Wyoming, Pa. 18644

Hunlock Sand and Gravel Box 275A, R.D. #1 Hunlock Creek, Pa. 18621

# LYCOMING COUNTY

Lycoming Silica Sand Company 420 Broad Street Montoursville, Pa. 17754

## MCKEAN COUNTY

Hanley Company 12 Hanley Drive Lewis Run, Pa. 16738

John Sack II Box 640 Kane, Pa.

# MERCER COUNTY

Alvin Taylor Box 661 Sharon, Pa. 16146

## MIFFLIN COUNTY

C. J. Peachey R.D. #1 Belleville, Pa.

Faylor-Middlecreek, Inc. P.O. Box 135 Winfield, Pa. 17889

## MONROE COUNTY

Herbert R. Imbt, Inc. P.O. Box 155 State College, Pa. 16801

## MONTGOMERY COUNTY

Gill Quarries, Inc. Box 187 Fairview Village, Pa. 19409

Pottstown Trap Rock Quarries Inc. #1 Quarry Road, Douglassville, Pa. 19518

## MONTGOMERY COUNTY CONTINUED

Mignatti Construction Company Inc. 2310 Terwood Drive Huntingdon Valley, Pa.

G. & W. H. Corson, Inc.
Plymouth Meeting, Pa. 19462

#### MONTOUR COUNTY

Lycoming Silica Sand Company 420 Broad Street Montoursville, Pa. 17754

# NORTHAMPTON COUNTY

Universal Atlas Cement Div. U.S. Steel 600 Grant Street Pittsburgh, Pa.

Coplay Cement Mfg. Co. Nazareth, Pa. 18064

The Albion Vein Slate Co. Teel's Hill Pen Argyl, Pa. 18072

Anthony Dally & Sons, Inc. Pen Argyl, Pa. 18072

Diamond Slate Company R.D. #1 Pen Argyl, Pa. 18072

Martin Marietta Cement P.O. Box 5618 Baltimore, Maryland 21210

Doney Slate Co. West Pen Argyl St. P.O. Box 5 Pen Argyl, Pa. 18072

#### NORTHUMBERLAND COUNTY

Watsontown Brick Co. P.O. Box #68 Watsontown, Pa. 17777

Glen-Gery Corporation 227 N. 5th St. Reading, Pa. 19603

Central Builders Supply Company P.O. Box 152 Island Park, Sunbury, Pa.

Meckley's Limestone Products, Inc. R.D. #1 Herndon, Pa. 17830

Bear Gap Stone Inc. R.D. #1 Elysburg, Pa. 17824

Faylor-Middlecreek, Inc. P.O. Box 135 Winfield, Pa. 17889

# PERRY COUNTY

Four Forty One-Corporation 1001 Paxton Street Harrisburg, Pa. 17105

## PIKE COUNTY

Pike County Sand and Gravel Co. 100-4th Street Honesdale, Pa. 18431

# SCHUYLKILL COUNTY

Summit Quarries, Inc. P.O. Box 84 Summit Station; Pa. 17979

# SUSQUEHANNA COUNTY

Kirk S. Hinkley 7 Susquehanna Avenue Hallstead, Pa. 18822

# UNION COUNTY

Glen Gery Corporation 227 N. 5th Street Reading, Pa. 19603

Faylor Middlecreek, Inc. P.O. Box 135 Winfield, Pa. 17889

#### VENANGO COUNTY

Vincent Excavating & Gravel P.O. Box 229 R.D. #3 Franklin, Pa. 16323

Tionesta Sand and Gravel Inc. Box 208 Hawthorn, Pa. 16230

Penna. Glass Sand Corporation P.O. Box 187 Berkeley Springs, W.Va. 25411

## WARREN COUNTY

Tionesta Sand and Gravel Inc. Box 208 Hawthorn, Pa. 16230

Brokenstraw Gravel Co. Inc. P.O. Box 77 Pittsfield, Pa. 16340

Shermac Company Box 208 Hawthorn, Pa. 16230

#### WESTMORELAND COUNTY

Adam Eidemiller, Inc. R.D. #8, Box 99 Greensburg, Pa. 15601

Paul W. Kendi & Sons, Inc. 100 Seventh Street Scottdale, Pa. 15683

Commercial Stone Company P.O. Box 208 Belle Vernon, Pa.

## YORK COUNTY

Thomasville Stone & Lime Co. P.O. Box 23 Thomasville, Pa. 17364

Codorus Stone & Supply Co. Inc. R.D. #22 York, Pa. 17402

Glen Gery Corporation 1060 E. Boundary Avenue York, Penna. 17403

York Stone & Supply Co. Roosevelt Ave at Fahs Street P.O. Box 1948 York, Pa. 17405

The J.E. Baker Co. P.O. Box 1189 York, Penna. 17405

National Gypsum Company 2001 Rexford Road Charlotte N.C.















